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Westinghouse Safety Management Solutions, Inc.

WSMS-SAE-98-0001

Date: January 7, 1998

To: Distribution

From: Douglas K. Craig

Subject: ERPGs and Recommended TEELs: Rev. 13 (December 1998)

The tables that follow include all chemicals for which official Emergency Response Planning Guideline (ERPG) values had been issued as of September 30, 1997. Temporary emergency exposure limits (TEELs) are provided for 676 additional chemicals. The term "TEEL" describing interim, temporary, or equivalent exposure limits for which official ERPGs have not yet been developed, was adopted by DOE's Subcommittee on Consequence Assessment and Protective Actions (SCAPA) at its April 1996 meeting in Knoxville, TN. The chemicals listed are sorted alphabetically in Table 1, and by Chemical Abstract Services (CAS) number in Table 2.

Hierarchy-derived TEELs, using the SCAPA-approved methodology that was published in the American Industrial Hygiene Association Journal (V.56, pp. 919-925, September, 1995), are used if available. Since hierarchy-based values are often unavailable, methodology incorporating the use of published toxicity parameters from SAX has been used to derive TEEL-2s and TEEL-3s. The original methodology, documented in Savannah River Site (SRS) Calculation Number S-CLC-G-00074: Description of Methodology for Deriving ERPG-equivalents for Chemicals (July 3, 1995), was updated at the request of SCAPA, and is based on comparison between toxicity parameters and official ERPGs only. At SCAPA's request, TEELs are hierarchy-based wherever possible, toxicity-based TEELs being used only when there are no hierarchy-based values. Hierarchy-based values are presented as is, but toxicity-based values are rounded down to factors of 10 of 1, 1.25, 1.5, 2, 2.5, 3, 3.5, 4, 5, 6, or 7.5, unless the derived value is within 5% of the limit above it (e.g., 290 is rounded to 300). Changes in the recommended TEEL values from those previously published (Rev. 12, PEC-CAT-97-0044A, or in more detail, PEC-CAT-97-0044) are indicated in the last column of the tables.

These temporary emergency exposure limits must be regarded as dynamic; if new concentration limits are issued (e.g., ERPGs, PELs or TLVs), TEELs will be revised. Further revisions will be issued as warranted. For onsite SRS use, this document is in my public folder (CRAIG PUBLIC). ERPGs adopted through 9/30/97 are on SCAPA's home page

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(<http://www.sep.bnl.gov/es/scapawl.htm>). Rev 12 TEELs are on DOE EH's Chemical Safety home page (http://dewey.tis.eh.doe.gov/web/chem_safety/, under Requirements and Guidelines).

I would welcome suggestions for improvement of this document, for chemicals to be added to the list, to the format, or anything else.

Notes

The Microsoft Word tables in Rev. 12 has been replaced by Microsoft Excel tables in Rev. 13. Therefore, all superscripted notes have been eliminated, and have been replaced with notes in the table. Some of the notes are briefly described below:

- For particulate materials, limits (in mg/m³) are for total dust, even though limits are sometimes also given for the respirable fraction.
- For substances that are in particulate form and for which no ERPG-3 or hierarchy-based TEEL-3 is available, a maximum value of 500 mg/m³ is recommended. This is based on the fact that this concentration constitutes an upper bound for a stable cloud of respirable dust. The coagulation rate is a function of the square of the number concentration, so it increases rapidly as the particle size decreases.
- NF indicates that no data was found for these parameters, NA that the item is not applicable.
- Chemical Abstract Service (CAS) registry numbers for chemicals not listed in any of the references below were obtained, along with other information if given, from the Material Safety Data Sheets (MSDS) for those chemicals.

Hierarchy-based TEEL values are obtained by strict application of the methodology described in reference 1 (p.52), except for the following:

- Some values are restricted by the hierarchy-based TEEL for the next higher category, e,g,. TEEL-1 value is restricted by the TEEL-2 value. Thus, T-0 \leq T-1 \leq T-2 \leq T-3;
- In a few instances, where the new (1994) IDLH value for a chemical was less than a well-documented TEEL-2 value, the IDLH was not used as the TEEL-3. The IDLH documentation is not as rigorous as that for the 60-minute EEGL or TLV-C values. These IDLH values are bracketed in Table 2;
- For a few chemicals whose "official" ERPG-1 value was odor- rather than consequence-based, the TEEL-1 value was adjusted to the PEL-STEL, TLV-STEL, or 3 x TLV-TWA value. These values are bracketed in Table 2;
- Some hierarchy-based TEEL-0 and TEEL-1 values are restricted by a PEL or TLV C value, i.e., T-0 \leq T-1 \leq PEL-C or TLV-C;
- In the absence of other concentration limits, a few values are based on Finnish (FIN), or Russian (USSR) guidelines.

Notes

Chemicals whose names are bolded are ones for which there were official ERPGs on September 30, 1997. "Added" means that the chemical has been added since Rev.12. If a TEEL value has been changed in Rev. 13 from previously recommended values (see introductory text), the affected values are bolded and italicized, and a brief explanation is provided:

- TEEL-2s and/or TEEL-3 are based on toxicity data from reference 5, with a 500 mg/m³ maximum for particulate materials, whenever hierarchy-based TEELs (HTs) are not available. The usual order of use of toxicity data is ignored if there are human toxicity data for a particular chemical;
- In the absence of both hierarchy- and toxicity-based TEELs, the following default ratios have been used:
TEEL-0 = (TEEL-1)/3 if there is a TEEL-1;
TEEL-1 = (TEEL-0) x 3 if there is a hierarchy-based TEEL-0, and no PEL-STEL, TLV-STEL, PEL-C or TLV-C;
TEEL-1 = (TEEL-2)/7 if there is a toxicity-based TEEL-2. This is based on the mean ratio of existing ERPG-2s to ERPG-1s;
TEEL-2 = (TEEL-0) x 5 if there is a hierarchy-based TEEL-0, and no PEL-STEL, TLV-STEL, PEL-C or TLV-C;
TEEL-2 = (TEEL-3)/ 5 if there is either a hierarchy-based or a toxicity-based TEEL-3. This is based on the mean ratio of existing ERPG-3s to ERPG-2s;
TEEL-3 = (TEEL-2) x 5 if there is either a hierarchy-based TEEL-2 or a toxicity-based TEEL-2;
- A few values depart from the usual guidelines, and are estimates based on existing concentration limits (at other TEEL values) and/or a comparison with similar chemicals and/or a review of available toxicity data. For example, the TEEL-3 value for 1-Bromo-3-chloro-5,5-dimethylhydantoin is estimated from the toxicity-based TEEL-3 for 3-Bromo-1-chloro-5,5-dimethylhydantoin;
- In a few instances, the toxicity-based TEELs were significantly less than the Hierarchy-based values. When this occurs, a notation is entered, e.g., "Ignore HT-2";
- All TEELs other than hierarchy-based values are rounded;
- All other notations should be self-explanatory.

References:

- 1 NIOSH Pocket Guide to Chemical Hazards: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control (June 1990). A revised "Guide" was issued in June, 1994.
- 2 Lewis, R.J.,Sr.: Hazardous Chemicals Desk Reference, 3rd/4th Editions, Van Nostrand Reinhold, New York (1993/1997).

Notes

- 3 Douglas K. Craig: Description of Methodology for deriving ERPG-equivalents for Chemicals. WSRC Technical Calculation Number S-CLC-G-00074, Rev. 0 (July 3, 1995).
- 4 Douglas K. Craig: SWMF Chemicals on "Master File" Requiring Independent Verification. Technical Calculation Number S-CLC-G-00079, Rev. 0 (July 13, 1995).
(This "Master File" was Rev. 7, dated April 26, 1995, of the document "ERPG-equivalents for Chemicals of Concern at SRS". Rev. 12 of this document was issued on July 9, 1997, as PEC-CAT-97-0044).
5. Lewis, R.J.,Sr.: Sax's Dangerous Properties of Industrial Materials, 9th Ed. Van Nostrand Reinhold, New York, (1996). This publication is now available as a CD ROM, which is updated periodically. The August 1997 version was used for most of the data used for Rev. 13.
- 6 Lewis, R.J.,Sr.: Hawley's Condensed Chemical Dictionary, 12th Ed. Van Nostrand Reinhold, New York, (1993).). This publication is now available as a CD ROM, which is updated periodically. The August 1997 version was used for Rev. 13.

Table 1: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by name)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes From Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
1	Acenaphthylene	zNF	AAE750	10	30	50	250	mg/m3	154.2	Added
2	Acetaldehyde	00075-07-0	AAG250	10	10	200	1000	ppm	44.06	
3	Acetamide	00060-35-5	AAI000	25	75	500	500	mg/m3	59.08	Added
4	Acetic acid	00064-19-7	AAT250	10	15	50	50	ppm	60.06	Corrected T-2
5	Acetone	00067-64-1	ABC750	750	1000	8500	8500	ppm	58.09	
6	Acetonitrile	00075-05-8	ABE500	40	60	60	500	ppm	41.06	Corrected T-2
7	Acetophenone	00098-86-2	ABH000	10	30	50	350	mg/m3	120.16	Corrected T-3
8	Acetyl chloride	00075-36-5	ACF750	0.0025	0.0075	0.05	125	ppm	78.5	Rounding change
9	Acetylaminofluorine, 2-	00053-96-3	FDR000	0.75	2.5	15	75	mg/m3	223.29	Added
10	Acrolein	00107-02-8	ADR000	0.1	0.1	0.5	3	ppm	56.07	
11	Acrylamide	00079-06-1	ADS250	0.03	0.09	60	60	mg/m3	71.09	
12	Acrylic acid	00079-10-7	ADS750	2	2	50	750	ppm	72.07	
13	Acrylic latex (MSDS 1807)	zNF		10	30	50	250	mg/m3		Added
14	Acrylonitrile	00107-13-1	ADX500	2	10	35	75	ppm	53.07	
15	Alcohols, C6-C12	68603-15-6	AFJ250	10	30	50	250	mg/m3		
16	Alkenyl dimethylethyl ammonium bromide; (Aliphatic hydrocarbon)	zNF	AFN750	2	6	40	200	mg/m3		Added
17	Alkyd resins and Rosin	66070-62-0		10	30	50	250	mg/m3		Added
18	Alkylamines (includes nitrogen mustard, triethylmelamine, etc.)	63231-48-1	zNF	10	30	50	250	mg/m3		
19	Allyl alcohol	00107-18-6	AFV500	2	4	15	20	ppm	58.09	
20	Allyl chloride	00107-05-1	AGB250	1	3	40	300	ppm	76.53	
21	Aluminum (powder)	07429-90-5	AGX000	15	30	50	250	mg/m3	26.98	Added
22	Aluminum fluoride (as Al)	07784-18-1	AHB000	2	6	10	40	mg/m3	83.98	Added
23	Aluminum hydroxide	21645-51-2	AHC000	6	400	400	400	mg/m3	78.01	Added
24	Aluminum nitrate	13473-90-0	AHD750	2	6	10	500	mg/m3	213.01	Added
25	Aluminum oxide	01344-28-1	AHE250	10	15	15	25	mg/m3	101.96	
26	Aluminum sulfate (Soluble salt, as Al)	10043-01-3	AHG750	2	6	10	500	mg/m3	342.14	
27	Aluminum(III)silicate (2:1); (Oil-dri)	01302-76-7	AHF500	2	6	10	50	mg/m3	162.05	Added
28	Amino-2-methyl-2-propanol, 1-	02854-16-2	ALB250	10	30	200	500	mg/m3	89.16	Added
29	Aminodiphenyl, p-	00092-67-1	AJS100	0.5	1.5	10	200	mg/m3	169.24	Added
30	Aminoethylpiperazine, n-	00140-31-8	AKB000	2.5	7.5	50	500	mg/m3	129.24	Corrected T-0, T-1
31	Amitrole	00061-82-5	AMY050	0.2	0.6	1	500	mg/m3	84.1	Rounding change
32	Ammonia	07664-41-7	AMY500	25	25	200	1000	ppm	17.04	

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				T-0	T-1	T-2	T-3			
33	Ammonium bisulfite	10192-30-0	ANB600	10	30	50	250	mg/m3	99.12	Added
34	Ammonium ethylenedinitro tetraacetoferrate(III)	zNF	zNF	10	30	50	250	mg/m3		Added
35	Ammonium Hydroxide (as NH3)	01336-21-6	ANK250	25	35	35	35	ppm	35.06	Corrected T-2, T-3
36	Ammonium hyposulfite; (thio-)	07783-18-8	ANK000	12.5	35	250	500	mg/m3	148.22	Added
37	Ammonium lignin sulfonate	zNF	zNF	10	30	50	250	mg/m3	1000	Added
38	Ammonium picrate	00131-74-8	ANS500	10	30	50	250	mg/m3	246.16	
39	Ammonium sulfamate	07773-06-0	ANU650	10	30	50	500	mg/m3	114.14	Corrected T-3
40	Ammonium vanadate	07803-55-6	ANY250	10	30	50	60	mg/m3	116.99	Rounding change
41	Aniline	00062-53-3	AOQ000	2	6	10	100	ppm	93.14	
42	Anisidine, o-	00090-04-0	AOV900	0.5	1.5	2.5	50	mg/m3	123.17	Added
43	Anisidine, p-	00104-94-9	AOW000	0.5	1.5	2.5	50	mg/m3	123.16	Added
44	Anthracene	00120-12-7	APG500	2	6	40	500	mg/m3	178.24	Added
45	Antimony	07440-36-0	AQB750	0.5	1.5	2.5	50	mg/m3	121.75	
46	Antimony trichloride	10025-91-9	AQC500	0.5	1.5	2.5	50	mg/m3	228.1	Added
47	Antimony trioxide	01309-64-4	AQF000	0.5	1.5	2.5	50	mg/m3	291.5	Added
48	Antioxidant	zNA	zNF	10	30	50	250	mg/m3		Corrected T-3
49	Aromatic hydrocarbons, solvents; (Solvent naphtha [petroleum], light)	64742-95-6	SKS350	500	1500	10000	60000	ppm	100	Added
50	Arsenic (inorganic cmpds as As2O3)	01327-53-3	ARI750	0.01	0.03	1.4	5	mg/m3	197.84	
51	Arsenic (organic cmpds as As)	07440-38-2	ARA750	0.03	0.03	0.05	350	mg/m3	74.92	Rounding change
52	Arsenic acid; (o-arsenic acid)	07778-39-4	ARB250	0.01	0.03	0.05	5	mg/m3	141.95	Added
53	Arsenic pentoxide (inorg cmpd)	01303-28-2	ARH500	0.01	0.03	0.05	5	mg/m3	229.84	Added
54	Arsenic trioxide	01327-53-3	ARI750	0.01	0.2	1.4	5	mg/m3	197.84	Added
55	Arsine	07784-42-1	ARK250	0.05	0.15	1	3	ppm	77.95	
56	Asbestos (Chrysotile)	12001-29-5	ARM268	0.005	0.05	0.05	500	mg/m3		
57	Asphalt	08052-42-4	ARO500	5	5	5	25	mg/m3		Added
58	Auramine; (4-(imid0carbonyl]bis[n.n-dimethylamine])	02465-27-2	IBA000	10	30	50	150	mg/m3	321.89	Rounding change
59	Barium	07440-39-3	BAH250	0.5	1.5	2.5	12.5	mg/m3	137.36	
60	Barium chloride	10361-37-2	BAK000	0.5	1.5	2.5	50	mg/m3	208.24	
61	Barium fluoride	07787-32-8	BAM000	0.5	1.5	2.5	100	mg/m3	175.34	Corrected T-2
62	Barium nitrate	10022-31-8	BAN250	0.5	1.5	2.5	50	mg/m3	261.36	
63	Barium oxide	01304-28-5	BAO000	0.5	1.5	2.5	20	mg/m3	153.34	
64	Barium sulfate	07727-43-7	BAP000	10	30	50	250	mg/m3	233.4	
65	Benzal chloride	00098-87-3	BAY300	0.1	0.3	2.3	500	mg/m3	161.03	Corrected T-0, T-1

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				T-0	T-1	T-2	T-3			
66	Benzene	00071-43-2	BBL250	1	50	150	1000	ppm	78.12	
67	Benzene 1,1'-(2,2-dichloroethyl); (Ethylidichlorobenzene?)	01331-29-9	EHY500	20	60	500	500	mg/m3	175.06	Added
68	Benzene hexachloride	00608-73-1	BBP750	0.15	0.5	4	40	mg/m3	290.82	Added
69	Benzidene	00092-87-5	BBX000	0.15	0.5	3.5	125	mg/m3	184.26	Corrected T-0, T-1
70	Benzo(a)anthracene	00056-55-3	BBC250	0.5	1.5	10	35	mg/m3	228.3	Added
71	Benzo(a)pyrene; (coal tar pitch volatiles)	00050-32-8	BCS750	0.2	7.5	50	80	mg/m3	252.32	Rounding change
72	Benzoquinone, p-	00106-51-4	QQS200	0.4	1.3	2.2	100	mg/m3	108.1	
73	Benzyl alcohol	00100-51-6	BDX500	4	12.5	100	200	ppm	108.15	Added
74	Benzyl chloride	00100-44-7	BEE375	1	1	10	25	ppm	126.59	
75	Benzyl trichloride; (Trichloromethylbenzene)	00098-07-7	BFL250	0.04	0.1	0.7	25	mg/m3	195.47	Rounding change
76	Beryllium	07440-41-7	BFO750	0.002	0.005	0.025	0.1	mg/m3	9.01	T-1 < PEL-C
77	Beryllium hydroxide (as Be)	13327-32-7	BFS250	0.002	0.005	0.005	4	mg/m3	43.03	T-1 < PEL-C
78	Beryllium nitrate (as Be)	13597-99-4	BFT000	0.002	0.005	0.005	4	mg/m3	133.03	T-1 < PEL-C
79	Bis(0-methylstyryl)benzene, p-	13280-61-0	zzzNF	10	30	50	250	mg/m3	310.43	
80	Bis(1-methylethyl)benzene, 1-4; (1,4-Diisopropylbenzene)	00100-18-5	DNN830	12.5	40	300	500	mg/m3	162.3	Added
81	Bisphenol A	00080-05-7	BLD500	10	30	50	500	mg/m3	228.31	
82	Boric acid	10043-35-3	BMC000	10	30	100	125	mg/m3	61.84	Rounding change
83	Boron	07440-42-8	BMD500	2.5	7.5	50	250	mg/m3	10.81	Added
84	Boron carbide	12069-32-8	NF	10	30	50	250	mg/m3	55.3	
85	Bromine	07726-95-6	BMP000	0.1	0.2	1	5	ppm	159.8	
86	Bromo-1-chloro-5,5-dimethylhydantoin, 3-	00126-06-7	BNA325	10	30	50	250	mg/m3	241.49	
87	Bromo-3-chloro-5,5-dimethylhydantoin, 1-	32718-18-6	zNF	10	30	50	250	mg/m3		
88	Bromoacetone	00598-31-2	BNZ000	0.075	0.2	1.5	7.5	ppm	136.99	Rounding change
89	Bromobenzene; (Phenyl bromide)	00108-86-1	PEO500	2.5	7.5	50	350	ppm	157.02	Added
90	Bromochlorobenzene	zNF	zNF	10	30	50	250	mg/m3		Added
91	Bromoform; (Tribromomethane)	00075-25-2	BNL000	0.5	1.5	2.5	850	ppm	252.75	
92	Bromotrifluoromethane; (Trifluorobromomethane)	00075-63-8	TJY100	1000	3000	25000	40000	ppm	148.92	
93	Brucine (as srychnine)	00357-57-3	BOL750	0.15	0.45	25	125	mg/m3	394.51	Rounding change
94	Butadiene,1,3-	00106-99-0	BOP500	2	10	200	5000	ppm	54.1	
95	Butanethiol; (n-Butyl mercaptan)	00109-79-5	BRR900	0.5	0.5	0.5	500	ppm	90.2	Added
96	Butanone, 2-; (MEK)	00078-93-3	MKA400	200	300	300	3000	ppm	72.12	Corrected T-2

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				T-0	T-1	T-2	T-3			
97	Butoxyethanol acetate; 2- (Ethylene glycol monobutyl ether acetate)	00112-07-2	BPM000	5	5	30	150	ppm	160.24	Rounding change
98	Butoxyethanol, 2-	00111-76-2	BPJ850	50	75	125	700	ppm	118.2	
99	Butyl acrylate, n-	00141-32-2	BPW100	0.05	0.05	25	250	ppm	128.19	
100	Butyl alcohol, n-	00071-36-3	BPW500	50	50	50	1400	ppm	74.14	
101	Butyl glycidyl ether, n-	02426-08-6	BRK750	25	75	125	250	ppm	130.21	
102	Butyl isocyanate, n-	00111-36-4	BRQ500	0.0035	0.01	0.05	1	ppm	99.15	Rounding change
103	Butylbenzene, n-; (1-Phenylbutane)	00104-51-8	BQI750	7.5	20	150	750	ppm	134.24	Added
104	Butylbenzene, sec-; (2-Phenylbutane)	00135-98-8	BQJ000	1.5	5	35	150	ppm	134.24	Added
105	Butylbenzene, tert-	00098-06-6	BQJ250	7.5	20	150	750	ppm	134.24	Added
106	Butyne-1,4-diol, 2-; (1,4-Butynediol)	00110-65-6	BST500	1	1	20	30	mg/m3	86.1	Added
107	Cacodylic acid (as inorganic As)	00075-60-5	HKC000	0.03	0.03	0.05	250	mg/m3	138.01	Rounding change
108	Cadmium & compounds (as Cd)	07440-43-9	CAD000	0.005	0.03	4	9	mg/m3	112.4	
109	Cadmium hydroxide	21041-95-2	CAG525	0.005	0.03	0.05	0.25	mg/m3	74.1	Added
110	Cadmium nitrate	10325-94-7	CAH000	0.005	0.03	0.05	500	mg/m3	236.42	
111	Cadmium nitrate tetrahydrate	10022-68-1	CAH250	0.005	0.03	0.05	125	mg/m3	308.5	Added
112	Cadmium oxide	01306-19-0	CAH500	0.005	0.03	0.05	12.5	mg/m3	128.4	Added
113	Calcium	07440-70-2	CAL250	10	30	50	250	mg/m3	40.08	
114	Calcium (II) nitrate	10124-37-5	CAU000	1.25	3.5	25	125	mg/m3	164.1	Added
115	Calcium carbonate; (Dolomite)	01317-65-2	CAO000	10	30	50	250	mg/m3	100.09	
116	Calcium chromate	13765-19-0	CAP500	0.001	0.003	0.6	3.5	mg/m3	156.08	Rounding change
117	Calcium cyanamide	00156-62-7	CAQ250	0.5	1.5	2.5	35	mg/m3	80.11	Added
118	Calcium hypochlorite; (Calcium oxychloride)	07778-54-3	HOV500	10	30	50	350	mg/m3	142.98	Rounding change
119	Calcium oxide	01305-78-8	CAU500	5	6	10	25	mg/m3	56.08	
120	Caprolactam (dust)	00105-60-2	CBF700	1	3	3	20	mg/m3	115.18	Added
121	Captan	00133-06-2	CBG000	5	15	25	500	mg/m3	300.59	Added
122	Carbanolate (propanal,-); (Aldecarb or Methyl-2-(methylthio) propanalde-hyde oxime, 2-)	00116-06-3	CBM500	0.3	0.3	0.3	0.3	mg/m3	190.29	Corrected T-0
123	Carbaryl	00063-25-2	CBM750	5	15	25	100	mg/m3	201.24	Added
124	Carbon dioxide	00124-38-9	CBU250	10000	30000	40000	40000	ppm	44.01	
125	Carbon disulfide	00075-15-0	CBV500	4	12	50	500	ppm	76.13	
126	Carbon monoxide	00630-08-0	CBW750	35	200	350	500	ppm	28.01	
127	Carbon tetrachloride	00056-23-5	CBY000	2	20	100	750	ppm	153.81	
128	Carbon; (Graphite, CASRN 7782-42-5)	07440-44-0	CBT500	2	6	10	500	mg/m3	12.01	Added
129	Carbonyl sulfide	00463-58-1	CCC000	1.25	4	25	125	ppm	60.07	Rounding change

Table 1: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by name)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes From Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
130	Carboxylic acid sodium salt	16550-39-3	MBV775	0.001	0.003	0.02	0.1	mg/m3	266.34	Added
131	Castor oil	08001-79-4	CCP250	0.01	0.03	0.2	1	mg/m3		Added
132	Catechol	00120-80-9	CCP850	5	15	25	25	ppm	110.12	Added
133	Cerium chloride	07790-86-5	CCY750	10	30	50	500	mg/m3	246.47	
134	Cerium nitrate hexahydrate	10294-41-4	CDB250	15	50	350	500	mg/m3	434.27	Added
135	Chloramben; (3-Amino-2,5-dichlorobenzoic acid)	00133-90-4	AJM000	35	100	500	500	mg/m3	206.03	Added
136	Chlordane	00057-74-9	CDR750	0.5	1.5	50	100	mg/m3	409.76	
137	Chlorinated benzene	00108-90-7	CEJ125	30	30	50	1000	ppm	112.56	Corrected T-0, T-1, T-2
138	Chlorinated polyolefins	68410-99-1	zNF	10	30	50	250	mg/m3		
139	Chlorine	07782-50-5	CDV750	0.5	1	3	20	ppm	70.9	
140	Chlorine trifluoride	07790-91-2	CDX750	0.05	0.1	1	10	ppm	92.45	Corrected T-0
141	Chlornaphthalene, 1- (alpha)	00090-13-1	CIZ000	6	20	125	500	mg/m3	162.62	Added
142	Chloroacetaldehyde	00107-20-0	CDY500	1	3	22	45	ppm	78.5	Corrected T-1
143	Chloroacetic acid	00079-11-8	CEA000	0.075	0.25	1.8	75	mg/m3	94.5	Added
144	Chloroacetyl chloride	00079-04-9	CEC250	0.05	0.1	1	10	ppm	112.94	
145	Chloroallyl)-3,5,7-triaza-1-azo-niaadamantane chloride, 1-(3-	04080-31-3	CEG550	10	30	50	200	mg/m3	251.19	Rounding change
146	Chloroaniline, p-	00106-47-8	CEH680	10	30	50	300	mg/m3	127.58	
147	Chlorobenzylate; (4,4'-Dichloro-benzilic acid ethyl ester)	00510-15-6	DER000	0.075	0.25	1.5	300	mg/m3	325.2	Added
148	Chlorodifluoromethane	00075-45-6	CFX500	1000	1250	7500	7500	ppm	86.47	Rounded T-3, T-2 <= T-3
149	Chlorodiphenyl (42% Cl); (Arochlor 1242)	53469-21-9	PJM500	1	3	5	5	mg/m3		
150	Chlorodiphenyl (54% Cl); (Arochlor 1254)	11097-69-1	PIN000	0.5	1.5	2.5	5	mg/m3		
151	Chloroform	00067-66-3	CHJ500	2	100	1000	5000	ppm	119.37	
152	Chloromethyl methyl ether	00107-30-2	CIO250	0.075	0.25	1.8	125	mg/m3	80.52	Rounding change
153	Chloronaphthalene,2- (beta)	00091-58-7	CJA000	0.2	0.6	150	500	mg/m3	162.62	Rounding change
154	Chloronitrobenzene, p- ; (p-nitrochlorobenzene)	00100-00-5	NFS525	1	2	3	100	mg/m3	157.56	Added
155	Chlorophenol, o-	00095-57-8	CJK250	0.4	1	7.5	50	ppm	128.56	Rounding change
156	Chloropicrin; (Trichloronitromethane)	00076-06-2	CKN500	0.1	0.2	0.2	3	ppm	164.37	
157	Chloroprene; (Neoprene)	00126-99-8	NCI500	1	1	1	300	ppm	88.54	Added
158	Chlorosulfonic acid; (Chlorosulfuric acid)	07790-94-5	CLG500	1.43	2	10	30	mg/m3	116.52	Corrected T-0
159	Chlorotoluene, 2-; (o-Chlorotoluene)	00095-49-8	CLK100	50	75	350	1500	ppm	126.59	Added
160	Chlorotoluene, 4-; (p-Tolyl chloride)	00106-43-4	TGY075	25	75	500	2500	ppm	126.59	Added
161	Chlorotrifluoroethylene	00079-38-9	CLQ750	5	20	100	300	ppm	116.47	
162	Chromic (VI) acid (as Cr)	07738-94-5	CMH250	0.05	0.05	0.1	15	mg/m3	118.02	Corrected T-1

Table 1: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by name)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes From Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
163	Chromic oxide (Chromium(III) oxide)	01308-38-9	CMJ900	0.5	1.5	2.5	25	mg/m3	152	
164	Chromic trihydroxide; (Chromic(III) acid)	01308-14-1	CMH260	0.5	1.5	2.5	25	mg/m3	103.03	Added
165	Chromic trioxide	01333-82-0	CMK000	0.05	0.05	0.1	15	mg/m3	100	Added
166	Chromium	07440-47-3	CMI750	1	1.5	2.5	250	mg/m3	52	
167	Chromium (III) nitrate	13548-38-4	CMJ600	0.5	1.5	2.5	25	mg/m3	238.03	
168	Chromium nitrate nonahydrate	07789-02-8	CMJ610	0.5	1.5	2.5	25	mg/m3	400.21	Added
169	Chrysene (coal tar volat)	00218-01-9	CML810	0.2	0.3	2	80	mg/m3	228.3	Rounding change
170	Citric acid	00077-92-9	CMS750	10	30	50	500	mg/m3	192.14	
171	Clay absorbent (Bentonite)	01302-78-9	BAV750	10	30	50	60	mg/m3		Added
172	Coal tar (aerosol)	08007-45-2	CMY805	0.2	0.6	1	5	mg/m3		Added
173	Coal tar (volatiles)	08007-45-2	CMY800	0.2	0.6	1	80	mg/m3		Added
174	Coal tar pitch volatiles	65996-93-2	CMZ100	0.2	0.6	1	80	mg/m3		Added
175	Cobalt	07440-48-4	CNA250	0.06	0.06	0.1	20	mg/m3	58.93	Added
176	Copper	07440-50-8	CNI000	1	3	5	100	mg/m3	63.54	
177	Copper chloride; (plus SAX # CNK 250, 559)	07447-39-4	CNK500	1	3	5	100	mg/m3	134.44	
178	Copper nitrate	03251-23-8	CNM750	1	3	5	100	mg/m3	187.55	
179	Creosote (coal tar)	08001-58-9	CMY825	0.2	0.6	1	80	mg/m3		
180	Cresols	01319-77-3	CW500	5	15	25	250	ppm	108.15	
181	Cristobalite	14464-46-1	SCJ000	0.15	0.15	0.25	25	mg/m3	60.09	Added
182	Crotonaldehyde	04170-30-3	COB250	2	2	10	50	ppm	70.09	
183	Cumene	00098-82-8	COE750	50	150	250	900	ppm	120.21	
184	Cupric nitrate hemipentahydrate (as Cu): (Data including MW ex MSDS)	19004-19-4	zNF	1	3	5	100	mg/m3	241.6	
185	Cyanamide	00420-04-2	COH500	2	6	10	35	mg/m3	42.05	Added
186	Cyanide (and cyanides)	00057-12-5	COI500	5	5	5	25	mg/m3	26.02	
187	Cyanoacetamide	00107-91-5	COJ250	6	20	150	500	mg/m3	84.09	Added
188	Cyanogen	00460-19-5	COO000	10	30	50	50	ppm	52.04	Added
189	Cyclohexane	00110-82-7	CPB000	300	900	1300	1300	ppm	84.18	
190	Cyclohexanone; (Ketohexamethylene)	00108-94-1	CPC000	50	75	125	700	ppm	98.16	Added
191	Cyclohexylamine	00108-91-8	CPF500	10	30	50	200	ppm	99.2	
192	DDD (1,1-bis(4-Chlorophenyl)-2,2-dichloroethane)	00072-54-8	BIM500	10	30	50	50	mg/m3	320.04	
193	DDE (2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene)	00072-55-9	BIM750	10	30	50	400	mg/m3	318.02	Rounding change
194	DDT (Dichlorodiphenyltrichloroethane)	00050-29-3	DAD200	1	3	5	500	mg/m3	354.48	
195	Di-2-ethylhexyl adipate	00103-23-1	AEO000	150	500	500	500	mg/m3	370.64	Added
196	Diazomethane	00334-88-3	DCP800	0.2	0.6	1	2	ppm	42.05	Added

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No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes From Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
197	Dibenza(a,h)anthracene	00053-70-3	DCT400	10	30	30	35	mg/m3	278.36	Corrected T-2
198	Diborane	19287-45-7	DDI450	0.1	0.3	1	3	ppm	27.68	
199	Dibromo 3-chloropropane, 1,2-; (n-Dibutylamine)	00111-92-2	DDT800	0.5	1.5	10	50	ppm	129.28	Added
200	Dibromo-3-chloropropane, 1,2-; (DBCP)	00096-12-8	DDL800	0.001	0.075	0.5	15	ppm	236.35	Added
201	Dibromochloromethane; (Chlorodibromomethane)	00124-48-1	CFK500	2	6	40	150	mg/m3	208.29	Added
202	Dibutyl phthalate	00084-74-2	DEH200	5	15	25	500	mg/m3	278.38	Rounding change
203	Dichloro-2-butene 1,4-	00764-41-0	DEV000	0.005	0.015	0.025	125	ppm	125	Rounding change
204	Dichlorobenzene, m-	00541-73-1	DEP599	2	6	40	200	ppm	147	Corrected all Ts
205	Dichlorobenzene, o-	00095-50-1	DEP600	25	50	50	200	ppm	147	
206	Dichlorobenzene, p-	00106-46-7	DEP800	75	110	110	150	ppm	147	Corrected T-2
207	Dichlorobenzidene 3,3'-	00091-94-1	DEQ600	0.2	0.6	4	200	ppm	253.14	Rounding change
208	Dichlorodifluoromethane; (Freon 12, CFC 12)	00075-71-8	DFA600	1000	3000	10000	15000	ppm	120.91	
209	Dichloroethene, cis-1,2	00156-59-2	DFI200	200	200	400	2000	ppm	96.94	Added
210	Dichloroethene, trans-1,2; (trans-Acetylene dichloride)	00156-60-5	ACK000	4	12.5	100	2500	ppm	96.94	Added
211	Dichloroethyl ether	00111-44-4	DFJ050	5	10	25	100	ppm	143.02	Rounding change
212	Dichloroethylene, 1,2-	00540-59-0	DFI210	200	600	1000	1000	ppm	96.94	
213	Dichlorofluoromethane; (Freon 21, CFC 21)	00075-43-4	DFL000	10	30	100	5000	ppm	102.92	
214	Dichloroisopropyl ether	00108-60-1	BII250	3.5	10	75	350	ppm	171.08	Rounding change
215	Dichloromethyl ether; (Bis[chloromethyl]ether)	00542-88-1	BIK000	0.001	0.003	0.05	0.75	ppm	114.96	Rounding change
216	Dichlorophenol, 2,4-	00120-83-2	DFX800	10	30	50	250	mg/m3	163	
217	Dichlorophenol, 2,6-	00087-65-0	DFY000	10	30	50	500	mg/m3	163	
218	Dichlorophenoxy acetic acid, 2,4-; (2,4- D salts and esters)	00094-75-7	DAA800	10	30	50	100	mg/m3	221.04	
219	Dichloropropane, 1,2-; (Propylene dichloride)	00078-87-5	PNJ400	75	110	110	400	ppm	112.99	Corrected T-2
220	Dichloropropane, 1,3-	00142-28-9	DFG800	5	15	100	500	ppm	112.99	Added
221	Dichloropropane, 2,2-; (use propylene dichloride)	00594-20-7	DGF900	75	110	110	400	ppm	112.99	Added
222	Dichloropropene, 1,1-	00563-58-6	DGG750	1.5	5	40	200	ppm	110.97	Added
223	Dichloropropene, 1,3-	00542-75-6	DGG950	1	3	5	50	ppm	110.97	
224	Dichloropropene, cis-1,2-	00563-54-2	DGG800	4	10	75	400	ppm	110.97	Added
225	Dichloropropene, trans-1,2-	00563-54-2	DGG800	4	10	75	400	ppm	110.97	Added
226	Dichlorotetrafluoroethane; (Freon 114, CFC114)	00076-14-2	FOO509	1000	3000	10000	15000	ppm	170.92	
227	Dichlorvos	00062-73-7	DGP900	0.1	0.3	2.2	100	ppm	220.98	Added
228	Dieldrin	00060-57-1	DHB400	0.25	0.75	1.25	50	mg/m3	380.9	
229	Diesel fuel marine; (Diesel fuel No. 4)	zNF	DHE750	500	500	500	500	mg/m3		Added
230	Diesel fuel marine; (Fuel oil No.2)	68476-30-2	DHE800	12.5	40	300	500	mg/m3		Added

Chemicals whose names are bolded had official ERPGs as of 9/30/97

Table 1: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by name)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes From Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
231	Diesel fuels	68334-30-5	DHE900	35	100	500	500	mg/m3		Added
232	Diethanolamine	00111-42-2	DHF000	2	6	10	300	mg/m3	105.16	Added
233	Diethyl mercury	00627-44-1	DJO400	0.01	0.03	0.04	2	mg/m3	258.73	Added
234	Diethyl phthalate	00084-66-2	DJX000	5	15	25	500	mg/m3	222.26	Corrected T-2
235	Diethyl Sulfate	00064-67-5	DKB110	0.6	1.5	12.5	25	ppm	154.2	Added
236	Diethylaniline, N,N-	00091-66-7	DIS700	3	10	60	350	mg/m3	149.26	Added
237	Diethyleneoxide, 1,4-; (1,4-dioxane)	00123-91-1	DVQ000	25	75	75	500	ppm	88.11	Corrected T-2
238	Diethylenetriaminepentaacetic acid	00067-43-6	DJG800	10	30	50	500	mg/m3	393.4	
239	Diglycol monoethyl ether acetate; (Carbitol acetate)	00112-15-2	CEQ750	40	125	500	500	mg/m3	176.24	Added
240	Dihydrogen hexachloroplatinum (IV); (Chloroplatanic acid)	16941-12-1	CKO750	0.002	0.006	0.01	4	mg/m3	409.81	
241	Diisopropyl methylphosphonate	01445-75-6	DNQ875	10	30	50	350	mg/m3	180.21	Rounding change
242	Diketene (ketene dimer)	00674-82-8	KFA000	0.35	1	5	50	ppm	84.08	Rounding change
243	Dimethanonaphthalene1,4,5,8-; (Aldrin)	00309-00-2	AFK250	0.25	0.75	10	25	mg/m3	364.9	
244	Dimethoxybenzidine 3,3'-; (o-Dianisidine)	00119-90-4	DCJ200	1.5	5	35	500	mg/m3	244.32	Rounding change
245	Dimethyl carbamoyl chloride	00079-44-7	DQY950	0.2	0.6	4	100	ppm	107.55	Added
246	Dimethyl disulfide	00624-92-0	DRQ400	0.003	0.01	50	250	ppm	94.2	
247	Dimethyl mercury	00593-74-8	DSM450	0.01	0.03	0.04	2	mg/m3	230.67	Added
248	Dimethyl siloxane; (Syltherm)	63148-62-9	DUB600 SCR400	10	30	50	250	mg/m3		
249	Dimethyl sulfate	00077-78-1	DUD100	0.1	0.3	1	7	ppm	126.14	
250	Dimethyl sulfide; (2-Thiopropane)	00075-18-3	TFP000	0.15	0.5	500	2000	ppm	62.14	
251	Dimethyl sulfoxide; (DMSO)	00067-68-5	DUD800	60	200	500	500	mg/m3	78.14	Corrected T-0, T-1
252	Dimethylamine	00124-40-3	DOQ800	10	15	100	500	ppm	45.1	
253	Dimethylaminoazobenzene, 4-	00060-11-7	DOT300	50	75	75	75	mg/m3	225.32	Added
254	Dimethylbenzidine 3,3'-; (o-Tolidine)	00119-93-7	TGJ750	0.001	0.003	0.02	300	mg/m3	212.32	Rounding change
255	Dimethyldichlorosilane	00075-78-5	DFE259	0.25	0.8	5	25	ppm	129.06	
256	Dimethylformamide	00068-12-2	DSB000	2	2	100	200	ppm	73.11	
257	Dimethylhydrazine, 1,2-	00540-73-8	DSF600	1.25	3.5	25	500	mg/m3	60.12	Added
258	Dimethylhydrazine, 1,1-	00057-14-7	DSF400	0.5	0.75	5	15	ppm	60.12	Rounding change
259	Dimethylphthalate	00131-11-3	DTR200	5	15	25	500	mg/m3	194.2	Rounding change
260	Dinitraniline; (Hansa orange RN)	03468-63-1	DVB800	10	30	50	250	mg/m3	338.3	Added
261	Dinitrobenzene, m-	00099-65-0	DUQ200	1	3	5	50	mg/m3	168.12	Added
262	Dinitro-o-cresol, 4,6- and salts	00534-52-1	DUS700	0.2	0.5	0.500	5	mg/m3	198.15	Added
263	Dinitrophenol 2,4-	00051-28-5	DUZ000	3	7.5	30	30	mg/m3	184.12	Corrected all TEELs

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				T-0	T-1	T-2	T-3			
264	Dinitrophenol, 2,3-	00066-56-8	DUY900	2	6	50	250	mg/m3	184.12	Rounding change
265	Dinitrotoluene	25321-14-6	DVG600	0.45	0.45	0.75	50	mg/m3	182.15	
266	Dinitrotoluene 2,4-	00121-14-2	DVH000	0.45	0.45	0.75	50	mg/m3	182.15	
267	Dinitrotoluene 2,6-	00606-20-2	DVH400	0.45	0.45	0.75	50	mg/m3	182.15	
268	Dinoseb; (2-sec-Butyl-4,6-dinitrophenol)	00088-85-7	BRE500	4.5	4.5	4.5	10	mg/m3	240.24	Corrected T-3
269	Dioxine; (TCDD; 2,3,6,7-tetrachlorodibenzo-p-dioxin)	01746-01-6	TAI000	0.003	0.0075	0.0075	0.0075	mg/m3	321.96	Added
270	Diphenyl mercury (aryl compound)	00587-85-9	DWD800	0.1	0.1	0.1	10	mg/m3	354.81	
271	Diphenyl; (Biphenyl)	00092-52-4	BGE000	1	4	7	100	mg/m3	154.22	
272	Diphenylamine	00122-39-4	DVX800	10	30	50	125	mg/m3	169.24	Rounding change
273	Diphenylhydrazine 1,2,3-	00122-66-7	HHG000	10	30	50	125	mg/m3	184.26	Rounding change
274	Diphenyloxazole, 2,5-	00092-71-7	DWI200	10	30	50	500	mg/m3	221.27	
275	Dipropylamine	00142-84-7	DWR000	15	50	350	500	mg/m3	101.22	Corrected T-0,-1,-2
276	Di-sec-octylphthalate	00117-81-7	DVL700	5	10	75	500	mg/m3	390.62	Rounding change
277	Endosulfan	00115-29-7	EAQ750	0.1	0.3	0.8	35	mg/m3	406.91	Rounding change
278	Endrin	00072-20-8	EAT500	0.1	0.3	2	2	mg/m3	380.9	
279	Epibatidine (nicotine-like)	zNF	zNF	0.004	0.0125	0.075	0.075	mg/m3		Rounding change
280	Epichlorohydrin	00106-89-8	EAZ500	2	2	20	100	ppm	92.53	
281	Epoxy Resin; (Epichlorhydrin + diethylene glycol)	25928-94-3	BCK500	0.06	0.2	1.25	6	Mg/m3		Added
282	Epoxy Resin (EPON 1001)	25068-38-6	EBG000	10	30	50	500	mg/m3		
283	Epoxy Resin (EPON 1007)	25068-38-6	EBG500	10	30	50	500	mg/m3		
284	Epoxy Resin (EPON 820)	25068-38-6	EBF500	10	30	50	500	mg/m3		
285	Epoxy Resin ERL-2795	25068-38-6	ECL000	10	30	50	500	mg/m3		Rounding change
286	Epoxybutane, 1,2-; (1,2-Butylene oxide)	00106-88-7	BOX750	40	100	400	400	ppm	72.12	Added
287	Erbium nitrate pentahydrate	10031-51-3	zNF	10	30	50	250	mg/m3		Added
288	Erbium(III) nitrate	10168-80-6	ECY500	0.4	1.25	10	50	mg/m3	353.29	Added
289	Erbium(III) nitrate hexahydrate	13476-05-6	ECZ000	1	3	20	100	mg/m3	461.41	Added
290	Ethanethiol; (Ethyl mercaptan)	00075-08-1	EMB100	0.5	1.5	10	500	ppm	62.14	Added
291	Ethanolamine	00141-43-5	EEC600	3	6	30	30	ppm	61.1	Corrected T-3
292	Ethoxyethanol, 2-	00110-80-5	EES350	0.5	15	25	500	ppm	90.14	
293	Ethoxyethylacetate, 2-	00111-15-9	EES400	0.5	15	25	500	ppm	132.18	Added
294	Ethoxylated alcohols, C7-C21	68991-48-0	zNF	10	30	50	250	mg/m3		
295	Ethoxylated p-nonylphenol; (Nonyl phenyl polyethylene glycol ether)	09016-45-9	NND500	5	15	100	500	mg/m3		Corrected T-0,-1,-2
296	Ethyl acetate	00141-78-6	EFR000	400	1200	2000	2000	ppm	88.12	
297	Ethyl acrylate	00140-88-5	EFT000	15	15	15	300	ppm	100.13	Added

Chemicals whose names are bolded had official ERPGs as of 9/30/97

Table 1: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by name)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes From Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
298	Ethyl alcohol; (ethanol)	00064-17-5	EFU000	1000	3000	3300	3300	ppm	46.08	
299	Ethyl benzene	00100-41-4	EGP500	100	125	125	800	ppm	106.18	Rounding change
300	Ethyl chloride	00075-00-3	EHH000	1000	3000	3800	3800	ppm	64.52	
301	Ethyl ether	00060-29-7	EJU000	400	500	500	1900	ppm	74.14	
302	Ethyl hexanoic acid, 2-; (Butyl ethyl acetic acid)	00149-57-5	BRI250	6	15	125	500	mg/m3	144.24	Added
303	Ethyl mercury chloride; (Chloroethyl mercury)	00107-27-7	CHC500	0.01	0.03	0.04	2	mg/m3	265.11	Added
304	Ethylene dibromide	00106-93-4	EIY500	20	20	30	100	ppm	187.88	
305	Ethylene dichloride	00107-06-2	EIY600	1	2	50	50	ppm	98.96	
306	Ethylene glycol	00107-21-1	EJC500	4	20	40	60	ppm	62.08	
307	Ethylene glycol mono-sec-butyl ether	07795-91-7	EJJ000	3	10	60	350	mg/m3	118.2	Added
308	Ethylene oxide	00075-21-8	EJN500	1	7.5	50	500	ppm	44.06	Rounding change
309	Ethylenediaminetetraacetic acid; (Tetrasodium EDTA)	00064-02-8	EIV000	4	12.5	75	400	Mg/m3	380.2	Rounding change
310	Ethyleneimine	00151-56-4	EJM900	0.5	1.5	2.3	100	ppm	43.08	
311	Ethylenethiourea; (2-Imidazolidinethione)	00096-45-7	IAQ000	3.5	10	75	500	mg/m3	102.17	Rounding change
312	Ethylidene chloride, 1,1-; (1,1-Dichloroethane)	00075-34-3	DFF809	100	300	500	3000	ppm	98.96	
313	Etylene glycol monopropyl ether; (Propyl cellosolve)	02807-30-9	PNG750	4	12.5	75	400	ppm	104.17	Added
314	Europium nitrate	10138-01-9	ERC550	15	50	350	500	mg/m3	421.98	Added
315	Ferric chloride	07705-08-0	FAU000	1	3	5	200	mg/m3	162.2	Rounding change
316	Ferric nitrate (iron salts, soluble, as Fe)	10421-48-4	FAY200	1	3	5	25	mg/m3	241.88	
317	Ferric sulfate	10028-22-5	FBA000	1	3	5	25	mg/m3	399.88	
318	Ferrous sulfate	07720-78-7	FBN100	1	3	5	350	mg/m3	151.91	Corrected T-3
319	Ferrous sulfate heptahydrate	07782-63-0	FBO000	1	3	5	500	mg/m3	278.05	
320	Fiber glass	zNA	FBQ000	5	15	25	125	mg/m3		Added
321	Fluoranthene	00206-44-0	FDF000	0.025	0.075	0.5	500	mg/m3	202.26	Added
322	Fluorene, 9H-	00086-73-7	FDI100	25	75	500	500	mg/m3	166.23	Added
323	Fluorine	07782-41-4	FEZ000	0.1	2	7.5	10	ppm	38	
324	Formaldehyde	00050-00-0	FMV000	0.3	1	10	25	ppm	30.03	T-0 <= TLV-C
325	Formic acid	00064-18-6	FNA000	5	10	10	30	ppm	46.03	Corrected T-2
326	Fuel oil	68476-33-5	FOP050	35	100	500	500	mg/m3		Corrected T-0,-1,-2
327	Furan	00110-00-9	FPK000	0.02	0.06	0.43	7.5	ppm	68.08	Rounding change
328	Furancarboxyaldehyde, 2-; (Furfural)	00098-01-1	FPQ875	2	2	10	100	ppm	96.09	
329	Furfuryl alcohol	00098-00-0	FPU000	15	15	15	75	ppm	98.11	Added
330	Gasoline	08006-61-9	GBY000	300	500	500	1500	ppm	72	Added
331	Glycerine (mist)	00056-81-5	GGA000	10	30	50	500	mg/m3	92.11	

Chemicals whose names are bolded had official ERPGs as of 9/30/97

Table 1: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by name)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes From Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
332	Glyceryl monostearate; (Octadecanoic acid with 1,2,3-propanetriol)	31566-31-1	OAV000	10	30	50	250	mg/m3	358.63	Rounding change
333	Glycidaldehyde	00765-34-4	GGW000	0.025	0.075	0.5	25	ppm	72.07	Added
334	Hafnium	07440-58-6	HAC000	0.5	1.5	2.5	50	mg/m3	178.49	Added
335	Hansa yellow	13515-40-7	zNF	10	30	50	250	mg/m3		Added
336	Heavy water; (Deuterium oxide)	07789-20-0	HAK000	2000	6000	40000	200000	ppm	20.02	Corrected all Ts
337	Heptachlor	00076-44-8	HAR000	0.15	0.15	0.25	35	mg/m3	373.3	
338	Heptachlor epoxide; (Epoxyheptachlor)	01024-57-3	EBW500	0.15	0.15	0.25	6	mg/m3	389.3	
339	Hexachlorobenzene	00118-74-1	HCC500	0.025	0.075	0.125	200	mg/m3	284.76	
340	Hexachlorobutadiene	00087-68-3	HCD250	0.02	3	10	30	ppm	260.74	
341	Hexachlorocyclohexane, alpha-; (alpha-Benzene hexachloride)	00319-84-6	BBQ000	0.5	7.5	50	500	mg/m3	290.82	Added
342	Hexachlorocyclopentadiene	00077-47-4	HCE500	0.01	0.02	0.02	0.02	ppm	272.75	
343	Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648-26-9	HCH400	0.0025	0.0075	0.06	0.3	mg/m3	374.84	Added
344	Hexachlorodibenzofuran, 1,2,3,6,7,8-	57117-44-9	HCH425	0.00075	0.0025	0.015	0.075	mg/m3	378.84	Added
345	Hexachlorodibenzofuran, 2,3,4,6,7,8-	60851-34-5	HCH450	0.0005	0.0015	0.01	0.05	mg/m3	374.84	Added
346	Hexachlorodibenzo-p-dioxin, 1,2,3,4,7,8-	57653-85-7	HCF000	0.005	0.015	0.1	0.5	mg/m3	390.84	Added
347	Hexachloroethane	00067-72-1	HCl000	1	3	5	300	ppm	236.72	
348	Hexachloronaphthalene	01335-87-1	HCK500	0.2	0.2	0.2	2	mg/m3	334.82	Added
349	Hexachlorophene	00070-30-4	HCL000	10	30	50	200	mg/m3	406.89	Corrected T-2, T-3
350	Hexafluoroacetone and hydrates	00684-16-2	HCZ000	0.1	0.3	1	50	ppm	166.03	
351	Hexafluoropropylene; (Hexafluoropropene)	00116-15-4	HDF000	3.5	10	50	500	ppm	150.03	Rounding change
352	Hexamethylene diisocyanate polymer	28182-81-2	HEG300	7.5	25	200	500	mg/m3		Added
353	Hexamethylene diisocyanate; (1,6-Diisocyanatohexane)	00822-06-0	DNJ800	0.005	0.015	0.2	3.5	ppm	168.22	Rounding change
354	Hexamethylenetetraamine	00100-97-0	HEI500	10	30	50	500	mg/m3	140.22	
355	Hexamethylenetetraamine hydrochloride	58713-21-6	zNF	10	30	50	250	mg/m3		Corrected T-3
356	Hexamethylphosphoramide	00680-31-9	HEK000	0.04	0.125	0.75	150	ppm	179.24	Added
357	Hexane	00110-54-3	HEN000	50	150	250	1100	ppm	86.2	
358	Hi rash naphtha petroleum distillate	64742-95-6	SKS350	500	1500	10000	60000	ppm	110	Added
359	Hydrazine	00302-01-2	HGS000	0.1	0.3	0.8	10	ppm	32.06	
360	Hydrazine nitrate	zNF	zNF	0.1	0.3	1	10	mg/m3	94	Added
361	Hydrocarbon polymer	zNA	HHJ500	10	30	50	250	mg/m3		Added
362	Hydrocount(R), LSC Cocktail	zNF	zNF	10	30	50	250	mg/m3		Corrected all Ts
363	Hydrogen chloride; (Hydrochloric acid)	07647-01-0	HHL000	0.5	3	20	100	ppm	36.46	

Table 1: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by name)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes From Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
364	Hydrogen cyanide; (Hydrocyanic acid)	00074-90-8	HHS000	1.5	4.7	10	25	ppm	27.03	Rounding change
365	Hydrogen fluoride; (Hydrofluoric acid)	07664-39-3	HHU500	2	2	20	50	ppm	20.01	
366	Hydrogen peroxide	07722-84-1	HIB000	1	10	50	100	ppm	34.02	
367	Hydrogen sulfide	07783-06-4	HIC500	10	15	30	100	ppm	34.08	
368	Iconol(R)	zNF	zNF	10	30	50	250	mg/m3		
369	Indene	00095-13-6	IBX000	10	30	50	300	ppm	116.17	Added
370	Iodine	07553-56-2	IDM000	0.035	0.1	0.5	5	ppm	253.8	Rounding change
371	Iron	07439-89-6	IGK800	10	30	50	500	mg/m3	55.85	Added
372	Iron hydroxide (as Fe)	zNF	IGR499	10	30	50	250	mg/m3		Added
373	Iron oxide; (Ferric oxide)	01309-37-1	IHD000	10	15	25	500	mg/m3	159.7	
374	Isoamyl alcohol (primary)	00123-51-3	IHP000	100	125	125	500	ppm	88.17	
375	Isoamyl alcohol (secondary)	00584-02-1	IHP010	100	125	125	500	ppm	88.17	
376	Isoamyl nitrite; (Isopentyl nitrite)	00110-46-3	IMB000	3	7.5	60	300	ppm	117.17	Rounding change
377	Isobutyl acetate	00110-19-0	IIJ000	150	450	750	1300	ppm	116.18	Added
378	Isobutyl alcohol	00078-83-1	IIL000	50	150	250	1600	ppm	74.14	
379	Isobutyronitrile	00078-82-0	IJX000	8	10	50	200	ppm	69.12	
380	Isocyanate-bearing waste	zNA	zNA	5	5	5	25	mg/m3		
381	Isocyanatoethyl methacrylate, 2-	30674-80-7	IKG700	0.005	0.015	0.1	1	ppm	155.17	Rounding change
382	Isophorone	00078-59-1	IMF400	5	5	5	200	ppm	138.23	Added
383	Isopropyl alcohol	00067-63-0	INJ000	400	400	400	2000	ppm	60.11	
384	Isopropylbenzene, p-	zNF	zNF	10	30	50	250	mg/m3	120.21	Added
385	Jet fuels (JP-5 and JP-8) (as Kerosene)	zNF	JDJ000	100	125	400	400	mg/m3		Corrected T-2, T-3
386	Kepone; (Chlordecone)	00143-50-0	KEA000	0.001	0.1	0.6	40	mg/m3	490.6	Rounding change
387	Kerosene	08008-20-6	KEK000	100	125	400	400	mg/m3		Corrected T-2, T-3
388	Ketene; (Carbomethene, Ethenone)	00463-51-4	KEU000	0.5	1.5	1.5	5	ppm	42.04	Added
389	Lanthanum nitrate	10099-59-9	LBA000	1	3	20	500	mg/m3	324.94	Added
390	Lead	07439-92-1	LCF000	0.05	0.15	0.25	100	mg/m3	207.19	
391	Lead (II) arsenate	03687-31-8	LCK100	0.002	0.002	0.002	100	mg/m3	899.41	Added
392	Lead acetate (as Pb)	01335-32-6	LCH000	0.05	0.15	0.25	100	mg/m3	807.71	
393	Lead arsenate (as Pb); (Lead acid arsenate)	07784-40-9	LCK000	0.05	0.15	0.25	100	mg/m3	347.12	Added
394	Lead chromate	07758-97-6	LCR000	0.05	0.15	0.25	15	mg/m3	323.19	Added
395	Lead dioxide	01309-60-0	LCX000	0.05	0.15	0.25	100	mg/m3	239.19	Added
396	Lead nitrate	10099-74-8	LDO000	0.05	0.15	0.25	100	mg/m3	331.21	Corrected T-1, T-2
397	Lead oxide (as Pb); (Lead monoxide)	01317-36-8	LDN000	0.05	0.15	0.25	100	mg/m3	223.19	
398	Lead tetroxide	01314-41-6	LDS000	0.05	0.15	0.25	100	mg/m3	685.57	Added

Chemicals whose names are bolded had official ERPGs as of 9/30/97

Table 1: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by name)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes From Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
399	Lead,bis(acetato)trihydroxytri- (as Pb)	06080-56-4	LCJ000	0.05	0.15	0.25	100	mg/m3	379.35	
400	Lignosulfonate (aqueous)	zNF	zzz	10	30	50	250	mg/m3		Added
401	Limestone; (Calcium carbonate)	01317-65-3	CAO000	15	30	50	250	mg/m3	100.09	Added
402	Lindane; (gamma-benzenehexachloride)	00058-89-9	BBQ500	0.5	1.5	50	50	mg/m3	290.82	
403	Linseed oil	08001-26-1	LGK000	2.5	7.5	60	300	mg/m3		Added
404	Lithium	07439-93-2	LGO000	10	30	50	250	mg/m3	6.94	
405	Lithium bromide	07550-35-8	LGY000	1	7	15	500	mg/m3	86.85	
406	Lithium chromate (as soluble Cr(VI))	14307-35-8?	LHD000	0.05	0.05	0.1	0.5	mg/m3	131.9	
407	Lithium hydride	07580-67-8	LHH000	0.025	0.025	0.1	0.5	mg/m3	7.95	
408	Lithium hydroxide	01310-65-2	LHI100	0.05	0.15	1	100	mg/m3	23.95	Rounding change
409	Lithium nitrate	07790-69-4	zzz	10	30	50	250	mg/m3	69	Added
410	Lithium nitride	26134-62-3	LHM000	10	30	50	250	mg/m3	34.82	Added
411	Machine coolant 1	zNA	zNF	10	30	50	250	mg/m3		Corrected T-3
412	Magnesium	07439-95-4	MAC750	10	30	50	250	mg/m3	24.31	
413	Magnesium carbonate (Magnesite)	00546-93-0	MAC650	10	30	50	250	mg/m3	84.32	Corrected T-3
414	Magnesium fluoride (as F)	7783-40-6	MAF500	2.5	7.5	12.5	250	mg/m3	62.31	Added
415	Magnesium oxide	01309-48-4	MAH500	10	30	50	500	mg/m3	40.31	Corrected T-3
416	Magnesium silicate (hydrate)	01343-90-4	MAJ000	10	30	50	250	mg/m3	278.91	Added
417	Malathion	00121-75-5	MAK700	15	30	50	250	mg/m3	330.38	Added
418	Maleic anhydride	00108-31-6	MAM000	1	3	5	10	mg/m3	98.06	
419	Manganese	07439-96-5	MAP750	0.2	3	5	500	mg/m3	54.94	Added
420	Manganese (II) nitrate	10377-66-9	MAS900	0.2	3	5	500	mg/m3	178.96	Added
421	Manganese dioxide (as Mn)	01313-13-9	MAS000	0.2	3	5	500	mg/m3	86.94	
422	Manganous sulfate (as Mn)	07785-87-7	MAU250	0.2	3	5	500	mg/m3	151	
423	Mastic (Resin)	61789-92-2	MBU777	20	60	500	500	mg/m3		Added
424	Mercuric iodide; (Mercury(II) iodide)	07774-29-0	MDD000	0.025	0.025	0.1	10	mg/m3	454.39	Added
425	Mercuric nitrate monohydrate	10045-94-0	MDF000	0.025	0.025	0.1	10	mg/m3	324.61	Added
426	Mercuric nitrate; (Mercury(II) nitrate (1:2))	10045-94-0	MDF000	0.025	0.075	0.1	10	mg/m3	324.61	
427	Mercurous oxide	15829-53-5	MDF750	0.025	0.025	0.1	10	mg/m3	417.22	Added
428	Mercury (elemental & inorganic as Hg)	07439-97-6	MCW250	0.05	0.1	0.1	10	mg/m3	200.59	Corrected T-1, T-2
429	Mercury (II) chloride (as Hg)	07487-94-7	MCY475	0.025	0.025	0.1	10	mg/m3	271.5	Added
430	Mercury (II) oxide; (Mercuric oxide)	21908-53-2	MCT500	0.025	0.075	0.1	10	mg/m3	216.59	
431	Mesitylene; (1,3,5-Trimethyl Benzene)	00108-67-8	TLM050	25	75	125	125	ppm	120.21	Added
432	Methane	00074-82-8	MDQ750	5000	5000	5000	5000	ppm	16.05	

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				T-0	T-1	T-2	T-3			
433	Methoxychlor	00072-43-5	MEI450	10	30	50	500	mg/m3	345.66	Rounding change
434	Methyl alcohol; (Methanol)	00067-56-1	MGB150	200	200	1000	5000	ppm	32.05	
435	Methyl bromide	00074-83-9	MHR200	5	15	50	200	ppm	94.95	
436	Methyl chloride	00074-87-3	MIF765	50	100	400	1000	ppm	50.49	
437	Methyl ethyl ketone peroxide	01338-23-4	MKA500	0.01	0.03	0.2	20	ppm	176.24	Added
438	Methyl fluoride (as Fl); (Fluoromethane)	00593-53-3	FJK000	2.5	7.5	12.5	250	mg/m3	34.03	
439	Methyl Iodide	00074-88-4	MKW200	2	25	50	125	ppm	141.94	
440	Methyl isobutyl ketone; (Hexone)	00108-10-1	HFG500	50	75	500	500	ppm	100.18	Corrected T-2
441	Methyl isocyanate	00624-83-9	MKX250	0.02	0.025	0.5	5	ppm	57.06	
442	Methyl mercaptan	00074-93-1	MLE650	0.5	1.5	25	100	ppm	48.11	Odor-based E-1 ignored: Use T-0*3
443	Methyl methacrylate	00080-62-6	MLH750	100	300	500	1000	ppm	100.13	
444	Methyl n-amyl ketone	00110-43-0	MGN500	100	150	250	800	ppm	114.21	Added
445	Methyl parathion	00298-00-0	MNH000	0.2	0.34	0.34	15	mg/m3	263.22	
446	Methyl-1H-benzotriazole	29385-43-1	MHK000	10	30	50	300	mg/m3	133.17	
447	Methylal; (Dimethoxymethane)	00109-87-5	MGA850	1000	3000	5000	25000	ppm	76.11	Added
448	Methylcellulose	09004-67-5	MIF760	10	30	50	500	mg/m3		
449	Methylcholanthrene 3-	00056-49-5	MIJ750	0.6	1.5	12.5	250	mg/m3	268.37	Corrected T-1, T-2
450	Methylene bis(2-chloroaniline), 4,4'-; (MBOCA)	00101-14-4	MJM200	0.02	0.03	0.05	40	ppm	267.17	Rounding change
451	Methylene bisphenyl isocyanate (MDI)	00101-68-8	MJP400	0.005	0.2	2	25	mg/m3	250.27	
452	Methylene chloride	00075-09-2	MJP450	200	200	750	4000	ppm	84.93	
453	Methylenedianiline, 4,4'-	00101-77-9	MJQ000	0.01	0.1	0.6	15	ppm	198.29	Rounding change
454	Methyl lactonitrile 2-	00075-86-5	MLC750	5	5	12	20	mg/m3	85.12	
455	Methyl naphthalene, 2-	00091-57-6	MMC000	6	20	125	500	mg/m3	142.21	Added
456	Methylpropane, 2-; (Isobutane)	00075-28-5	MOR750	150	400	3000	15000	ppm	58.14	Added
457	Methyl-tert-butyl ether	01634-04-4	MHV859	40	120	200	10000	ppm	88.17	Added
458	Methyltriacetoxysilane	04253-34-3	MQB500	7.5	25	150	500	mg/m3	220.28	Added
459	Methyltrichlorosilane	00075-79-6	MQC500	0.15	0.5	3	15	ppm	149.48	
460	Mica	12001-26-2	MQS250	3	9	15	75	mg/m3		Added
461	Mineral fibers,fine	zNF	NF	10	30	50	250	mg/m3		Added
462	Mineral oil	08042-47-5	MQV875	10	30	50	250	mg/m3		
463	Mineral spirits (85% nonane+15% trimethyl benzene=Stoddard solvent)	08052-41-3	SLU500	500	500	500	500	mg/m3		Rounding change
464	Mirex	02385-85-5	MQW500	0.03	0.075	0.6	100	mg/m3	545.5	Added
465	Molybdenum	07439-98-7	MRC250	5	15	25	60	mg/m3	95.94	Added

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				T-0	T-1	T-2	T-3			
466	Monomethylamine; (Methylamine)	00074-89-5	MGC250	10	10	100	500	ppm	31.07	
467	Monomethylhydrazine; (Methyl hydrazine)	00060-34-4	MKN000	0.01	0.2	0.5	20	ppm	46.09	
468	Monosodium titanate; (MSDS #18858-00 CASRN 12034-36-5)	60704-88-3	zNF	10	30	50	250	mg/m3		
469	Nabumetone; (Relafen), or (4-[6-methoxy-2-naphthyl]-2-butanone)	42924-53-8	MFA300	10	30	50	500	mg/m3	228.31	
470	Naphtha (coal tar)	08030-30-6	NAI500	100	1000	1000	1000	ppm	110	Added
471	Naphthalenamine, 1-; (1-Naphthylamine)	00134-32-7	NBE700	12.5	35	250	350	mg/m3	143.2	Rounding change
472	Naphthylamine, beta-	00091-59-8	NBE500	2.5	7.5	50	300	mg/m3	143.2	Added
473	Naphthalene	00091-20-3	NAJ500	10	15	35	250	ppm	128.18	Rounding change
474	Napthoquinone, 1,4-	00130-15-4	NBA500	0.2	0.6	4	75	mg/m3	158.16	
475	Neodecanoic acid	26896-20-8	NBW500	12.5	40	300	500	mg/m3	172.3	Added
476	Neodymium (III) chloride	10024-93-8	NBY000	0.15	0.5	4	20	ppm	250.59	Rounding change
477	Neodymium nitrate	10045-95-1	NCB000	7.5	25	150	500	mg/m3	330.27	Added
478	Nickel	07440-02-0	NCW500	1	3	10	10	mg/m3	58.71	
479	Nickel (II) nitratehexahydrate	13478-00-7	NDG500	0.05	0.15	0.25	10	mg/m3	290.85	Added
480	Nickel (III) hydroxide	12125-56-3	NDE010	0.3	0.3	0.5	10	mg/m3	109.74	Added
481	Nickel carbonyl (as Ni)	13463-39-3	NCZ000	0.001	0.05	0.05	2	ppm	170.75	
482	Nickel hydroxide	12054-48-7	NDE000	0.3	0.3	0.5	10	mg/m3	92.73	Added
483	Nickel nitrate	13138-45-9	NDG000	0.1	0.3	0.5	10	mg/m3	182.73	
484	Nickel oxide (insoluble compounds as Ni)	01313-99-1	NDF500	1	3	5	20	mg/m3	74.71	
485	Nickel oxy hydroxide (use Nickelic hydroxide)	12125-56-3	NDE010	0.1	0.3	0.5	10	mg/m3	109.74	Added
486	Nickel sulfate	07786-81-4	NDK500	0.15	0.15	0.25	10	mg/m3	154.77	Added
487	Nitric acid	07697-37-2	NED500	2	2	15	30	ppm	63.02	
488	Nitric oxide	10102-43-9	NEG100	25	25	25	100	ppm	30.01	
489	Nitroaniline, p-	00100-01-6	NEO500	3	9	15	300	mg/m3	138.14	
490	Nitrobenzene	00098-95-3	NEX000	1	3	20	200	ppm	123.12	
491	Nitrobiphenyl, 4-; (p-Nitrobiphenyl)	00092-93-3	NFQ000	0.25	0.75	5	500	mg/m3	199.22	Added
492	Nitrogen dioxide	10102-44-0	NGR500	2	2	15	30	ppm	46.01	
493	Nitrogen mustard; (Bis(b-chloroethyl)methylamine)	00051-75-2 000 55-86-7	BIE250 BEI500	1.25	4	29	29	mg/m3	156.07	Added
494	Nitroglycerin	00055-63-0	NGY000	0.1	0.1	2	75	mg/m3	227.11	Added
495	Nitrophenol, 4-	00100-02-7	NIF000	10	30	50	150	mg/m3	139.12	
496	Nitropropane, 1-	00108-03-2	NIX500	25	75	125	1000	ppm	89.11	Added
497	Nitropropane, 2-	00079-46-9	NIY000	10	30	50	100	ppm	89.11	

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No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes From Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
498	Nitrosodimethylamine	00062-75-9	NKA600	0.75	2.5	19	19	mg/m3	74.1	Added
499	Nitrosomorpholine	00059-89-2	NKZ000	12.5	30	30	30	mg/m3	116.14	Added
500	Nitroso-N-methylurea, n-	00684-93-5	MNA750	0.05	0.15	1	50	mg/m3	103.1	Added
501	Nitrosophenol, p-	00104-91-6	NLF200	6	15	125	500	mg/m3	123.12	Added
502	Nitrosotoluene, p-	00611-23-4	NLW500	7.5	25	150	500	mg/m3	121.15	Added
503	Nitrotoluene, p-	00099-99-0	NMO550	5	6	10	200	ppm	137.15	Added
504	Nitrous oxide	10024-97-2	NGU000	50	150	10000	20000	ppm	44.02	
505	Nonane (Shell Sol 140); (Aquasol MSDS gives CAS No. 64742-88-7)	00111-84-2	NMX000	200	200	200	350	ppm	128.29	Rounding change
506	Nonyl Phenol (branched)	84852-15-3	NNC600	5	15	100	500	mg/m3	220.39	
507	Nonyl Phenol (mixed isomers)	25154-52-3	NNC500	6	20	125	500	mg/m3	220.39	Rounding change
508	Nonyl Phenol, p-	00104-40-5	NNC510	6	20	125	500	mg/m3	220.39	Rounding change
509	Norchlorofluoroepibatidine	zNF	zNF	0.000075	0.00025	0.0015	0.0025	mg/m3		Rounding change
510	Octachloronaphthalene	02234-13-1	OAP000	0.1	0.3	0.3	0.3	mg/m3	403.7	Added
511	Octadecanoic acid, n- ; (Stearic acid)	00057-11-4	SLK000	10	35	35	35	mg/m3	284.54	Added
512	Osmium tetroxide	20816-12-0	OKK000	0.0006	0.0006	0.00125	0.1	ppm	254.2	Added
513	Oxalic acid - anhydrous	00144-62-7	OLA000	1	2	500	500	mg/m3	90.04	Corrected T-2
514	Oxalic acid - dihydrate	00144-62-7	zNF	1	2	500	500	mg/m3	126.1	Corrected T-2
515	Oxybis(2-chloro-ethane), 1-1'-	zNF	zzz	10	30	50	250	mg/m3		Added
516	Ozone	10028-15-6	ORW000	0.1	0.1	1	5	ppm	48	T-1 <= PEL-C
517	Paint and Sludge; (Bismuth hydroxide nitrate oxide)	01304-85-4	BKW100	7.5	20	150	500	mg/m3	1462.03	Added
518	Paint solvent	zNF	zzz	10	30	50	250	mg/m3		Added
519	Paint thinner; (Petroleum 50 thinner)	zNF	PCT500	7.5	25	150	750	ppm	130	Added
520	Palladium	07440-05-3	PAD250	10	30	50	250	mg/m3	106.4	
521	Paraffin, n-	08002-74-2	PAH750	2	6	10	50	mg/m3		
522	Paraldehyde	00123-63-7	PAI250	10	30	50	500	mg/m3	132.18	
523	Paraquat; Paraquat hydrochloride	04685-14-7 01910-42-5	PAI990	0.15	0.15	0.15	1	mg/m3	186.28	Added
524	Parathion	00056-38-2	PAK000	0.1	0.3	2	10	mg/m3	291.28	
525	Pentachlorobenzene	00608-93-5	PAV500	10	30	50	400	mg/m3	250.32	Rounding change
526	Pentachlorobenzofuran, 2,3,4,7,8-	57117-31-4	PAW100	0.000025	0.000075	0.0006	0.4	mg/m3	340.4	Added
527	Pentachlorobenzo-p-dioxin, 1,2,3,7,8-	40321-76-4	PAW000	0.00075	0.0025	0.015	0.075	mg/m3	356.4	Added
528	Pentachloroethane	00076-01-7	PAW500	10	30	500	500	mg/m3	202.28	
529	Pentachloronitrobenzene	00082-68-8	PAX000	0.5	1.5	2.5	500	mg/m3	295.32	
530	Pentachlorophenol	00087-86-5	PAX250	0.5	1.5	2.5	2.5	mg/m3	266.32	

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				T-0	T-1	T-2	T-3			
531	Perchloric acid	07061-90-3	PCD250	1	3.5	20	100	ppm	100.46	Added
532	Perchloroethylene; (tetrachloroethylene)	00127-18-4	PCF275	25	100	200	1000	ppm	165.82	
533	Perfluoroisobutylene; (Octafluoro-sec-butene)	00382-21-8	OBM000	0.005	0.015	0.1	0.3	ppm	200.04	Rounding change
534	Perlite (fused NaKAl silicate, < 1% quartz)	93763-70-3	PCJ400	15	30	50	500	mg/m3		
535	Petroleum asphalt	08052-42-4	PCR500	5	5	5	25	mg/m3		Added
536	Petroleum distillates	08002-05-9	PCS250	500	500	500	500	mg/m3	97.87	Added
537	Petroleum solvent	08002-05-9	PCR250	10	30	50	500	mg/m3	978.68	Corrected T-3
538	Petroleum spirits; (VM & P Naphtha)	08032-32-4	PCT250	300	300	395	395	ppm	111.69	Added
539	Phenacetin; (p-acetophenetidide)	00062-44-2	ABG750	10	30	50	60	mg/m3	179.24	Corrected T-3
540	Phenaglycodol; (Ultran), or (2-p-chlorophenyl-3-methyl-2,3-butanediol)	00079-93-6	CKE750	10	30	50	350	mg/m3	214.71	Rounding change
541	Phenanthrene	00085-01-8	PCW250	2	6	40	300	mg/m3	178.24	Added
542	Phenol	00108-95-2	PDN750	5	10	50	200	ppm	94.12	
543	Phenyl mercury acetate; (Acetylphenylmercury)	00062-38-4	ABU500	0.1	1.5	10	10	mg/m3	336.75	Added
544	Phenylenediamine, p-	00106-50-3	PEY500	0.1	0.3	0.5	25	mg/m3	108.16	Added
545	Phenylphenol, 2-; (tert-Butylbenzene)	00090-43-7	BGJ250	25	75	500	500	mg/m3	170.22	Added
546	Phenylthiourea; (1-phenyl-2-thiourea)	00103-85-5	PGN250	3	3	3	3	mg/m3	152.23	
547	Phosgene	00075-44-5	PGX000	0.1	0.1	0.2	1	ppm	98.91	Corrected T-1
548	Phosphine	07803-51-2	PGY000	0.3	1	2.5	5	ppm	34	
549	Phosphoric acid	07664-38-2	PHB250	1	3	500	500	mg/m3	98	Corrected T-2
550	Phosphorous pentoxide	01314-56-3	PHS250	1	5	25	100	mg/m3	141.94	
551	Phosphorus (red)	07723-14-0	PHO500	1	1	1	4	mg/m3	30.97	Rounding change
552	Phosphorus (yellow)	07723-14-0	PHP010	0.1	0.3	3	5	mg/m3	123.88	
553	Phthalic anhydride	00085-44-9	PHW750	6	18	30	60	mg/m3	148.12	
554	Picric Acid	00088-89-1	PID000	0.1	0.3	15	75	mg/m3	229.12	Added
555	Polyamide; (Capron)	25038-54-4	PJY500	10	30	200	500	mg/m3		Added
556	Polychlorinated biphenyl; (Aroclor)	01336-36-3	PJL750	0.001	0.003	0.005	500	mg/m3		
557	Polyester	zNF	MDN510	10	30	50	500	mg/m3	286.36	Added
558	Polyethylene	09002-88-4	PJS750	10	30	50	250	mg/m3		Added
559	Polyoxyalkyleneamine	09046-10-0	zNF	10	30	50	250	mg/m3		
560	Polystyrene resin; (Styrene polymer)	09003-53-6	SMQ500	10	30	50	250	mg/m3		Added
561	Polyurethane foam; (Urethane polymers)	09009-54-5	PKL500	7.5	25	200	500	mg/m3		Added
562	Polyvinyl chloride	09002-86-2	PKQ059	5	15	25	125	mg/m3		Rounding change
563	Potassium (usually hydroxide)	07440-09-7	PKT250	2	2	2	10	mg/m3	39.1	Added
564	Potassium carbonate	00584-08-7	PLA000	10	30	50	500	mg/m3	138.21	

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				T-0	T-1	T-2	T-3			
565	Potassium chromate(VI) (as Cr)	07789-00-6	PLB250	0.05	0.1	0.1	15	mg/m3	194.2	
566	Potassium cyanide	00151-50-8	PLC500	5	5	5	25	mg/m3	65.12	
567	Potassium dichromate (as Cr)	07778-50-9	PKX250	0.05	0.05	0.1	15	mg/m3	294.2	Corrected T-1
568	Potassium fluoride	07789-23-3	PLF500	2.5	7.5	12.5	250	mg/m3	58.1	Added
569	Potassium hydroxide	01310-58-3	PLJ500	2	2	2	150	mg/m3	56.11	
570	Potassium nitrate	07757-79-1	PLL500	1	3.5	20	500	mg/m3	140.21	Added
571	Potassium permanganate (as Mn)	07722-64-7	PLP000	0.2	3	5	125	mg/m3	158.04	
572	Potassium tetraphenylborate; (data from MSDS)	03244-41-5	zNF	1	3	5	25	mg/m3	358.31	
573	Praseodymium nitrate	10361-80-5	PLY250	7.5	20	150	500	mg/m3	326.94	Added
574	Propane	00074-98-6	PMJ750	1000	2100	2100	2100	ppm	44.11	
575	Propane sultone, 1,3-	01120-71-4	PML400	0.75	2.5	15	60	mg/m3	122.15	Added
576	Propargyl alcohol	00107-19-7	PMN450	1	3	5	60	ppm	56.07	Rounding change
577	Propiolactone, b-	00057-57-8	PMT100	0.5	0.5	0.5	15	ppm	72.07	Added
578	Propionaldehyde	00123-38-6	PMT750	30	75	500	500	mg/m3	58.09	Added
579	Propoxur	00114-26-1	PMY300	0.5	1.5	2.5	20	mg/m3	209.27	Added
580	Propyl cellosolve (Ektasolve EP)	02807-30-9	PNG750	4	12.5	75	400	ppm	104.17	Added
581	Propylbenzene, n- (Isocumene)	00103-65-1	IKG000	30	75	600	3000	ppm	120.21	Added
582	Propylene carbonate, 1,2-	00108-32-7	CBW500	0.125	0.35	2.5	12.5	mg/m3	102.1	Added
583	Propylene glycol monomethyl ether; (UCAR TRIOL HG-170)	00107-98-2	UBA000	100	150	300	750	ppm	90.1	Rounding change
584	Propylene glycol mono-n-butyl ether; (3-butoxy-1-propanol)	10215-33-5	BPS500	10	10	10	10	ppm	132.23	Corrected T-1, -2, -3
585	Propylene glycol; (1,2-Propanediol)	00057-55-6	PML000	50	50	75	2500	ppm	76.11	Rounding change
586	Propylene oxide; (Methyl ethylene oxide)	00075-56-9	PNL600	20	50	250	750	ppm	58.09	Correct ERPG-1
587	Propyleneimine, 1,2-	00075-55-8	PNL400?	2	6	51.5	100	ppm	57.11	Added
588	Pyrene	00129-00-0	PON250	15	15	15	15	mg/m3	202.26	Added
589	Pyridine	00110-86-1	POP250	5	15	25	1000	ppm	79.11	
590	Quinoline	00091-22-5	QMJ000	0.2	0.6	5	25	ppm	129.17	Added
591	Quinone	00106-51-4	QQS200	0.1	0.3	0.5	22.6	ppm	108.1	Added
592	Resorcinol	00108-46-3	REA000	10	20	20	20	ppm	110.12	Corrected T-3
593	Rotenone	00083-79-4	RNZ000	5	15	25	500	mg/m3	394.45	Added
594	Ruthenium	07440-18-8	RRU000	10	30	50	250	mg/m3	101.07	Added
595	Samarium nitrate	10361-83-8	SAT200	7.5	25	150	500	mg/m3	336.38	Added
596	Sarin; (Isopropyl methanefluorophosphonate)	00107-44-8	IPX000	0.0025	0.0075	0.05	0.6	mg/m3	140.11	Rounding change
597	Selenious acid	07783-00-8	SBO000	0.2	0.6	1	20	mg/m3	128.98	Corrected T-2

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				T-0	T-1	T-2	T-3			
598	Selenium	07782-49-2	SBO500	0.2	0.6	1	1	mg/m3	78.96	
599	Selenium dioxide	07446-08-4	SBQ500	0.2	0.6	1	1	mg/m3	110.96	Added
600	Selenium hexafluoride	07783-79-1	SES000	0.05	0.15	0.25	2	ppm	192.96	Added
601	Silica, amorphous fumed	112945-52-5 69012-64-2	SCH000	2	6	10	500	mg/m3	60.09	Added
602	Silica, amorphous hydrated	07631-86-9	SCI000	6	30	50	500	mg/m3	60.09	Added
603	Silica, crystalline quartz; (Silicon dioxide)	14808-60-7	SCJ500	0.1	0.3	0.5	25	mg/m3	60.09	
604	Silicates	zNA	SCM500	10	30	50	250	mg/m3		Added
605	Silicofluoric acid; (Fluorosilicic acid)	16961-83-4	SCO500	2.5	7.5	12.5	125	mg/m3	144.11	Rounding change
606	Silicon	07440-21-3	SCP000	15	30	50	500	mg/m3	28.09	Added
607	Silicon carbide	00409-21-2	SCQ000	15	30	50	250	mg/m3	40.1	Added
608	Silicone (several formulations)	00541-02-6	DAF350	10	30	50	500	mg/m3	370.85	
609	Silver	07440-22-4	SDI500	0.01	0.3	0.5	10	mg/m3	107.87	
610	Silver chloride	07783-90-6	zNF	0.01	0.03	0.05	10	mg/m3	143.4	
611	Silver cyanide	00506-64-9	SDP000	10	30	50	50	mg/m3	133.89	Rounding change
612	Silver nitrate	07761-88-8	SDS000	0.01	0.03	0.05	10	mg/m3	169.88	
613	Silver oxide	20667-12-3	SDU500	10	30	50	75	mg/m3	231.74	Rounding change
614	Sodium	07440-23-5	SEE500	50	150	500	500	mg/m3	22.99	Corrected T-0,-1,-2
615	Sodium (tetra)borate, di-	01330-43-4	DXG035	3	3	5	25	mg/m3	201.22	
616	Sodium acetate	00127-09-3	SEG500	15	40	300	500	mg/m3	82.04	Added
617	Sodium arsenate (as As)	07631-89-2	ARD750	0.002	0.002	0.002	5	mg/m3	202.94	Corrected all Ts
618	Sodium arsenite (as As)	07784-46-5	SEY500	0.002	0.002	0.002	5	mg/m3	129.91	Corrected all Ts
619	Sodium azide	26628-22-8	SFA000	0.0125	0.04	0.29	12.5	mg/m3	65.02	Rounding change
620	Sodium bicarbonate	00144-55-8	SFC500	10	30	50	500	mg/m3	84.01	
621	Sodium bisulfite	07631-90-5	SFE000	5	15	25	500	mg/m3	104.06	Added
622	Sodium borate decahydrate	01303-96-4	SFE500	10	15	25	500	mg/m3	381.4	
623	Sodium carbonate	00497-19-8	SFO000	10	30	50	500	mg/m3	105.99	Rounding change
624	Sodium chloride	07647-14-5	SFT000	15	40	300	500	mg/m3	58.44	Added
625	Sodium chromate (as Cr); (Disodium chromate)	07775-11-3	DXC200	0.05	0.05	0.1	15	mg/m3	161.98	Corrected T-1
626	Sodium chromate 10 H ₂ O	13517-17-4	SFW500	0.05	0.05	0.1	15	mg/m3	342.18	Corrected T-1
627	Sodium cyanide	00143-33-9	SGA500	5	5	5	25	mg/m3	49.01	
628	Sodium dichromate	10588-01-9	SGI000	0.05	0.05	0.1	15	mg/m3	261.98	Corrected T-1
629	Sodium fluoride (as F)	7681-49-4	SHF500	2.5	7.5	12.5	75	mg/m3	41.99	Added
630	Sodium formate	00141-53-7	SHJ000	40	125	500	500	mg/m3	68.01	Added

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				T-0	T-1	T-2	T-3			
631	Sodium hydroxide	01310-73-2	SHS500	2	2	40	100	mg/m3	40	
632	Sodium lauryl sulfate; (Surfactant)	00151-21-3	SIB600	1.5	5	35	500	mg/m3	289.43	Added
633	Sodium metabisulfite	07681-57-4	SII000	5	15	25	200	mg/m3	190.1	Added
634	Sodium metaphosphate	10361-03-2	SII500	10	30	200	500	mg/m3	101.96	Corrected T-2
635	Sodium monoxide	12401-86-4	SIN500	10	30	50	250	mg/m3	61.98	
636	Sodium nitrate	07631-99-4	SIO900	10	30	50	100	mg/m3	85	
637	Sodium nitrite	07632-00-0	SIQ500	10	30	50	60	mg/m3	69	
638	Sodium oxalate	00062-76-0	SIY500	10	30	50	60	mg/m3	134	Rounding change
639	Sodium peroxide	01313-60-6	SJC500	10	30	50	250	mg/m3	77.98	
640	Sodium phosphate (tribasic)	07601-54-9	SJH200	5	5	5	500	mg/m3	163.94	Rounding change
641	Sodium p-tertiary amylnphenate	zNF	zNF	10	30	50	250	mg/m3		Added
642	Sodium sulfate (anhydrous)	07757-82-6	SJY000	10	30	50	500	mg/m3	142.04	
643	Sodium tetraphenyl borate	00143-66-8	zNF	1.25	3.5	25	125	mg/m3	342.23	Added
644	Sodium thiosulfate	07772-98-7	SKI000	10	30	50	500	mg/m3	158.1	
645	Sodium thiosulfate pentahydrate	10102-17-7	SKI500	10	30	50	500	mg/m3	248.2	
646	Sodium-o-benzyl-p-chlorophenate	03184-65-4	SFB200	10	30	50	250	mg/m3	241.68	Added
647	Sodium-Potassium	11135-81-2	PLS500	2	2	40	100	mg/m3		
648	Strontium	07440-24-6	SMD500	10	30	50	250	mg/m3	87.62	Added
649	Strontium nitrate	10042-76-9	SMK000	10	30	50	500	mg/m3	211.64	
650	Strychnine & salts	00057-24-9	SMN500	0.15	0.3	0.3	3	mg/m3	334.45	
651	Styrene	00100-42-5	SMQ000	50	50	250	1000	ppm	104.16	
652	Sulfamic acid	05329-14-6	SNK500	12.5	40	250	500	mg/m3	97.1	Added
653	Sulfur	07704-34-9	SOD500	0.25	0.75	5	25	mg/m3	32.06	Added
654	Sulfur dioxide	07446-09-5	SOH500	0.3	0.3	3	15	ppm	64.06	
655	Sulfuric acid (including oleum and sulfur trioxide)	07664-93-9	SOI500	1	2	10	30	mg/m3	98.08	
656	Sulphonic acid	61789-85-3	zNF	10	30	50	250	mg/m3		
657	Synthetic resins	zNA	zNF	10	30	50	250	mg/m3		Corrected T-3
658	Talc	14807-96-6	TAB750	2	6	10	500	mg/m3	96.33	Added
659	Tallo oil (alkyd resin)	68333-62-0	zNF	10	30	50	250	mg/m3		Added
660	Tellurium	13494-80-9	TAJ000	0.1	0.3	20	25	mg/m3	127.6	
661	Tellurium hexafluoride (as Te)	07783-80-4	TAK250	0.02	0.06	1	1	ppm	241.6	
662	Tellurium oxide (dioxide) (as Te)	07446-07-3	TAJ750	0.1	0.3	0.5	60	mg/m3	159.6	Corrected T-3
663	Tetrabutyl ammonium phosphate	zNF	zNF	10	30	50	250	mg/m3		Added
664	Tetrabutyl Titanate	05593-70-4	BSP250	0.75	2.5	20	100	ppm	340.42	Rounding change
665	Tetrachlorobenzene, 1,2,4,5-	00095-94-3	TBN750	10	30	50	500	mg/m3	215.88	

Table 1: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by name)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes From Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
666	Tetrachlorodibenzofuran, 2,3,7,8-	51297-31-9	TBO850	0.0006	0.002	0.002	0.002	mg/m3	305.96	Added
667	Tetrachlorodibenzo-p-dioxin, 1,2,3,8-; (TCDD)	01746-01-6	TAI000	0.00004	0.000125	0.00075	0.0075	mg/m3	321.96	Added
668	Tetrachloroethane (mixed isomers)	25322-20-7	TBP750	5	15	100	400	ppm	167.84	Added
669	Tetrachloroethane 1,1,1,2-	00630-20-6	TBQ000	3	7.5	60	200	ppm	167.84	Rounding change
670	Tetrachloroethane, 1,1,2,2-	00079-34-5	TBQ100	1	3	5	100	ppm	167.84	
671	Tetraethyl orthosilicate; (Ethyl silicate)	00078-10-4	EPF550	10	30	50	700	ppm	208.37	
672	Tetrafluoroethylene	00116-14-3	TCH500	60	200	1000	10000	ppm	100.02	Rounding change
673	Tetrahydrofuran	00109-99-9	TCR750	200	250	2000	2000	ppm	72.12	Corrected T-2
674	Tetramethoxysilane; (Methyl silicate)	00681-84-5	MPI750	1	3	10	20	ppm	152.25	Added
675	Tetramethyl-5-decyn-4,7-diol, 2,4,7,9-	00126-86-3	zNF	10	30	50	250	mg/m3		
676	Tetranitromethane	00509-14-8	TDY250	0.015	0.015	1	4	ppm	196.05	Corrected T-0, T-1
677	Tetrasodium EDTA; (Ethylenediaminetetraacetic acid)	00060-00-4	EIX000	10	30	50	500	mg/m3	292.28	
678	Thallium (elemental and soluble compounds)	07440-28-0	TEI000	0.1	0.3	2	15	mg/m3	204.37	
679	Thallium carbonate (2:1)	06533-73-9	TEJ000	0.1	0.3	2	15	mg/m3	468.75	
680	Thallium chloride	07791-12-0	TEJ250	0.1	0.3	2	15	mg/m3	239.82	
681	Thallium nitrate	10102-45-1	TEK750	0.1	0.3	0.5	15	mg/m3	266.38	Added
682	Thallium(III) oxide	01314-32-5	TEL050	2	2	2	20	mg/m3	456.74	
683	Thenoyl trifluoroacetone (MSDS data)	00326-91-0	NF	0.1	3.5	25	125	mg/m3	222.09	Rounding change
684	Thioacetamide	00062-55-5	TFA000	10	30	50	125	mg/m3	75.14	Rounding change
685	Thiofanox (Dacamox)	39196-18-4	DAB400	8.5	8.5	8.5	30	mg/m3	218.35	
686	Thiosemicarbazide	00079-19-6	TFQ000	0.075	0.2	1.5	4	mg/m3	91.15	Rounding change
687	Thiourea	00062-56-6	ISR000	10	30	50	125	mg/m3	76.13	Corrected T-3
688	Tin	07440-31-5	TGB250	2	6	10	100	mg/m3	118.71	
689	Titanium	07440-32-6	TGF250	10	30	50	250	mg/m3	47.9	
690	Titanium oxide	13463-67-7	TGG760	10	30	50	250	mg/m3	79.9	
691	Titanium tetrachloride	07550-45-0	TGH350	0.5	5	20	100	mg/m3	189.7	
692	Toluene	00108-88-3	TGK750	50	50	300	1000	ppm	92.15	
693	Toluene diisocyanate, 2,4-	00584-84-9	TGM750	0.005	0.02	1	2.5	ppm	174.17	
694	Toluenediamine, 2,4-; (2,4-Diaminetoluene)	00095-80-7	TGL750	4	12.5	75	400	mg/m3	122.19	Added
695	Toluidene, o-	00095-53-4	TGQ750	5	6	10	50	ppm	107.17	
696	Toxaphene; (Chlorinated camphene)	08001-35-2	CDV100	0.5	1	20	200	mg/m3	413.8	
697	Tributyl phosphate	00126-73-8	TIA250	0.2	0.6	1	30	ppm	266.36	
698	Trichloroacetaldehyde hydrate; (Chloral hydrate)	00302-17-0	CDO000	10	30	50	50	mg/m3	165.4	Corrected T-3
699	Trichloroacetaldehyde monohydrate; (Chloral)	00075-87-6	CDN550	7.5	20	150	500	mg/m3	147.38	Added
700	Trichlorobenzene, 1,2,3-	00087-61-6	TIK100	15	50	350	500	mg/m3	181.44	Added

Table 1: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by name)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes From Rev. 12 (7/9/97)	
				T-0	T-1	T-2	T-3				
701	Trichlorobenzene,1,2,4-	00120-82-1	TIK250	5	5	5	40	ppm	181.44	Corrected T-0, T-1	
702	Trichloroethane, 1,1,1-; (Methyl chloroform)	00071-55-6	MIH275	350	350	700	3500	ppm	133.4		
703	Trichloroethane, 1,1,2-	00079-00-5	TIN000	10	30	50	100	ppm	133.4		
704	Trichloroethylene	00079-01-6	TIO750	50	100	500	5000	ppm	131.38		
705	Trichlorofluoromethane	00075-69-4	TIP500	500	500	1500	2000	ppm	137.36		
706	Trichlorophenol, 2,4,5-	00095-95-4	TIV750	10	30	50	350	mg/m3	197.44	Rounding change	
707	Trichlorophenol, 2,4,6-	00088-06-2	TIW000	10	30	50	350	mg/m3	197.44	Rounding change	
708	Trichlorophenoxy)propionic acid, 2-; (2,4,5-(Silvex)	00093-72-1	TIX500	10	30	50	250	mg/m3	269.51	Rounding change	
709	Trichlorophenoxyacetic acid, 2,4,5-; (2,4,5-T)	00093-76-5	TAA100	10	30	50	250	mg/m3	255.48		
710	Trichloropropane, 1,2,3-	00096-18-4	TJB600	10	30	50	100	ppm	147.43	Added	
711	Trichlorosilane	10025-78-2	TJD500	0.35	1	3	15	mg/m3	135.45	Rounding change	
712	Trichlorotrifluoroethane; (Freon 113, or CFC113)	00076-13-1	FOO000	1000	1250	1500	2000	ppm	187.37		
713	Triethanolamine; (Trihydroxytriethylamine)	00102-71-6	TKP500	5	15	25	500	mg/m3	149.22	Added	
714	Triethylbenzene, 1,2,4-; (Triethylbenzene)	25340-18-5	TJO750	6	15	125	600	ppm	162.3	Added	
715	Triethylbenzene, 1,3,5-; (Triethylbenzene)	25340-18-5	TJO750	6	15	125	600	ppm	162.3	Added	
716	Trifluralin; (2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)benzenamine	01582-09-8	DUV600	0.025	0.075	0.6	300	mg/m3	335.32	Added	
717	Trimethoxysilane	02487-90-3	TLB750	0.05	0.5	2	5	ppm	122.22		
718	Trimethylamine	00075-50-3	TLD500	5	15	100	500	ppm	59.13		
719	Trimethylbenzene, 1,2,4-; (Pseudocumene)	00095-63-6	TLL750	125	180	180	500	mg/m3	120.21		
720	Trinitrobenzene 1,3,5-	00099-35-4	TMK500	10	30	50	125	mg/m3	213.12	Rounding change	
721	Tri-n-octyl phosphine oxide	00078-50-2	zNF	10	30	50	250	mg/m3	386		
722	Triphenol sulfonium chloride	109037-76-5	zNF	10	30	50	250	mg/m3		Added	
723	Tris(dimethylaminoethyl)phenol, 2,4,6-	00090-72-2	TNH000	5	15	100	500	mg/m3	265.45	Added	
724	Trypan Blue	00072-57-1	CMO250	10	30	50	500	mg/m3	964.88		
725	Tungsten	07440-33-7	TOA750	5	10	10	500	mg/m3	183.85	Added	
726	Tungsten trioxide	01314-35-8	TOC750	5	10	150	500	mg/m3	231.85	Added	
727	Uranium	07440-61-1	UNS000	0.05	0.6	2	10	mg/m3	238		
728	Uranium hexafluoride; (Uranium fluoride)	07783-81-5	UOJ000	0.05	5	15	30	mg/m3	352		
729	Uranium hydride (as U)	13598-56-6	UPA000	0.05	0.6	0.6	10	mg/m3	241.06		
730	Uranium telluride (as U)		zNF	zNF	0.05	0.6	0.6	10	mg/m3	1224.08	
731	Uranium telluride-2 (as U)		zNF	zNF	0.05	0.6	0.6	10	mg/m3	366.03	
732	Uranium: insoluble compnd		zNA	zNF	0.05	0.6	0.6	10	mg/m3		
733	Uranium: soluble compnds		zNA	zNF	0.05	0.6	0.6	10	mg/m3		

Table 1: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by name)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes From Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
734	Uranyl nitrate (as U); (yellow salt)	36478-76-9	URA100	0.05	0.6	0.6	10	mg/m3	394.02	
735	Vanadium	07440-62-2	VCP000	0.05	0.075	0.5	35	mg/m3	50.94	Added
736	Vanadium pentoxide	01314-62-1	VDU000	0.05	0.075	0.5	35	mg/m3	181.88	Rounding change
737	Vegetable oil	68956-68-3	VGU200	10	30	50	250	mg/m3		Added
738	Vinyl acetate	00108-05-4	VLU250	5	5	75	500	ppm	86.1	
739	Vinyl acrylic resin	25067-01-0	zNF	10	30	50	250	mg/m3		Added
740	Vinyl bromide	00593-60-2	VMP000	5	15	25	50	ppm	106.96	Added
741	Vinyl chloride	00075-01-4	VNP000	1	5	5	75	ppm	62.5	Rounding change
742	Vinyl fluoride	00075-02-5	VPA000	1	1	5	25	ppm	46	Added
743	Vinylidene chloride; (1,1-dichloroethylene)	00075-35-4	VPK000	1	20	20	600	ppm	96.94	Rounding change
744	Waste Oil	zNA	zNA	10	30	50	250	mg/m3		
745	Xylene	01330-20-7	XGS000	100	150	200	900	ppm	106.18	
746	Xylene, m-	00108-38-3	XHA000	100	150	200	900	ppm	106.18	
747	Xylene, o-	00095-47-6	XHJ000	100	150	200	900	ppm	106.18	
748	Xylene, p-	00106-42-3	XHS000	100	150	200	900	ppm	106.18	
749	Xyldidine	01300-73-8	XMA000	1.5	1.5	2.5	50	ppm	121.2	Added
750	Yttrium	07440-65-5	YEJ000	1	3	5	25	mg/m3	88.91	Added
751	Zinc	07440-66-6	ZBJ000	10	30	50	250	mg/m3	65.37	
752	Zinc nitrate	07779-88-6	ZJJ000	10	30	50	250	mg/m3	189.39	
753	Zinc oxide	01314-13-2	ZKA000	10	10	15	500	mg/m3	81.37	Corrected T-1
754	Zirconium and compounds (as Zr)	07440-67-7	ZOA000	5	10	10	50	mg/m3	91.22	Corrected T-2

Chemicals whose names are bolded had official ERPGs as of 9/30/97

Table 2: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by CASRN)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes from Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
324	Formaldehyde	00050-00-0	FMV000	0.3	1	10	25	ppm	30.03	T-0 <= TLV-C
194	DDT (Dichlorodiphenyltrichloroethane)	00050-29-3	DAD200	1	3	5	500	mg/m3	354.48	
71	Benzo(a)pyrene; (coal tar pitch volatiles)	00050-32-8	BCS750	0.2	7.5	50	80	mg/m3	252.32	Rounding change
263	Dinitrophenol 2,4-	00051-28-5	DUZ000	3	7.5	30	30	mg/m3	184.12	Corrected all TEELs
493	Nitrogen mustard; (Bis(b-chloroethyl)methylamine)	00051-75-2 000 55-86-7	BIE250 BEI500	1.25	4	29	29	mg/m3	156.07	Added
197	Dibenzo(a,h)anthracene	00053-70-3	DCT400	10	30	30	35	mg/m3	278.36	Corrected T-2
9	Acetylaminofluorine, 2-	00053-96-3	FDR000	0.75	2.5	15	75	mg/m3	223.29	Added
494	Nitroglycerin	00055-63-0	NGY000	0.1	0.1	2	75	mg/m3	227.11	Added
127	Carbon tetrachloride	00056-23-5	CBY000	2	20	100	750	ppm	153.81	
524	Parathion	00056-38-2	PAK000	0.1	0.3	2	10	mg/m3	291.28	
449	Methylcholanthrene 3-	00056-49-5	MIJ750	0.6	1.5	12.5	250	mg/m3	268.37	Corrected T-1, T-2
70	Benzo(a)anthracene	00056-55-3	BBC250	0.5	1.5	10	35	mg/m3	228.3	Added
331	Glycerine (mist)	00056-81-5	GGA000	10	30	50	500	mg/m3	92.11	
511	Octadecanoic acid, n- ; (Stearic acid)	00057-11-4	SLK000	10	35	35	35	mg/m3	284.54	Added
186	Cyanide (and cyanides)	00057-12-5	COI500	5	5	5	25	mg/m3	26.02	
258	Dimethylhydrazine,1,1-	00057-14-7	DSF400	0.5	0.75	5	15	ppm	60.12	Rounding change
650	Strychnine & salts	00057-24-9	SMN500	0.15	0.3	0.3	3	mg/m3	334.45	
585	Propylene glycol; (1,2-Propanediol)	00057-55-6	PML000	50	50	75	2500	ppm	76.11	Rounding change
577	Propiolactone, b-	00057-57-8	PMT100	0.5	0.5	0.5	15	ppm	72.07	Added
136	Chlordane	00057-74-9	CDR750	0.5	1.5	50	100	mg/m3	409.76	
402	Lindane; (gamma-benzenehexachloride)	00058-89-9	BBQ500	0.5	1.5	50	50	mg/m3	290.82	
499	Nitrosomorpholine	00059-89-2	NKZ000	12.5	30	30	30	mg/m3	116.14	Added
677	Tetrasodium EDTA; (Ethylenediaminetetraacetic acid)	00060-00-4	EIX000	10	30	50	500	mg/m3	292.28	
253	Dimethylaminoazobenzene, 4-	00060-11-7	DOT300	50	75	75	75	mg/m3	225.32	Added
301	Ethyl ether	00060-29-7	EJU000	400	500	500	1900	ppm	74.14	
467	Monomethylhydrazine; (Methyl hydrazine)	00060-34-4	MKN000	0.01	0.2	0.5	20	ppm	46.09	
3	Acetamide	00060-35-5	AAI000	25	75	500	500	mg/m3	59.08	Added
228	Dieldrin	00060-57-1	DHB400	0.25	0.75	1.25	50	mg/m3	380.9	

Table 2: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by CASRN)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes from Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
31	Amitrole	00061-82-5	AMY050	0.2	0.6	1	500	mg/m3	84.1	Rounding change
543	Phenyl mercury acetate; (Acetylphenylmercury)	00062-38-4	ABU500	0.1	1.5	10	10	mg/m3	336.75	Added
539	Phenacetin; (p-acetophenetide)	00062-44-2	ABG750	10	30	50	60	mg/m3	179.24	Corrected T-3
41	Aniline	00062-53-3	AOQ000	2	6	10	100	ppm	93.14	
684	Thioacetamide	00062-55-5	TFA000	10	30	50	125	mg/m3	75.14	Rounding change
687	Thiourea	00062-56-6	ISR000	10	30	50	125	mg/m3	76.13	Corrected T-3
227	Dichlorvos	00062-73-7	DGP900	0.1	0.3	2.2	100	ppm	220.98	Added
498	Nitrosodimethylamine	00062-75-9	NKA600	0.75	2.5	19	19	mg/m3	74.1	Added
638	Sodium oxalate	00062-76-0	SIY500	10	30	50	60	mg/m3	134	Rounding change
123	Carbaryl	00063-25-2	CBM750	5	15	25	100	mg/m3	201.24	Added
309	Ethylenediaminetetraacetic acid; (Tetrasodium EDTA)	00064-02-8	EIV000	4	12.5	75	400	Mg/m3	380.2	Rounding change
298	Ethyl alcohol; (ethanol)	00064-17-5	EFU000	1000	3000	3300	3300	ppm	46.08	
325	Formic acid	00064-18-6	FNA000	5	10	10	30	ppm	46.03	Corrected T-2
4	Acetic acid	00064-19-7	AAT250	10	15	50	50	ppm	60.06	Corrected T-2
235	Diethyl Sulfate	00064-67-5	DKB110	0.6	1.5	12.5	25	ppm	154.2	Added
264	Dinitrophenol, 2,3-	00066-56-8	DUY900	2	6	50	250	mg/m3	184.12	Rounding change
238	Diethylenetriaminepentaacetic acid	00067-43-6	DJG800	10	30	50	500	mg/m3	393.4	
434	Methyl alcohol; (Methanol)	00067-56-1	MGB150	200	200	1000	5000	ppm	32.05	
383	Isopropyl alcohol	00067-63-0	INJ000	400	400	400	2000	ppm	60.11	
5	Acetone	00067-64-1	ABC750	750	1000	8500	8500	ppm	58.09	
151	Chloroform	00067-66-3	CHJ500	2	100	1000	5000	ppm	119.37	
251	Dimethyl sulfoxide; (DMSO)	00067-68-5	DUD800	60	200	500	500	mg/m3	78.14	Corrected T-0, T-1
347	Hexachloroethane	00067-72-1	HCI000	1	3	5	300	ppm	236.72	
256	Dimethylformamide	00068-12-2	DSB000	2	2	100	200	ppm	73.11	
349	Hexachlorophene	00070-30-4	HCL000	10	30	50	200	mg/m3	406.89	Corrected T-2, T-3
100	Butyl alcohol, n-	00071-36-3	BPW500	50	50	50	1400	ppm	74.14	
66	Benzene	00071-43-2	BBL250	1	50	150	1000	ppm	78.12	
702	Trichloroethane, 1,1,1-; (Methyl chloroform)	00071-55-6	MIH275	350	350	700	3500	ppm	133.4	
278	Endrin	00072-20-8	EAT500	0.1	0.3	2	2	mg/m3	380.9	

Table 2: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by CASRN)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes from Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
433	Methoxychlor	00072-43-5	MEI450	10	30	50	500	mg/m3	345.66	Rounding change
192	DDD (1,1-bis(4-Chlorophenyl)-2,2-dichloroethane)	00072-54-8	BIM500	10	30	50	50	mg/m3	320.04	
193	DDE (2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene)	00072-55-9	BIM750	10	30	50	400	mg/m3	318.02	Rounding change
724	Trypan Blue	00072-57-1	CMO250	10	30	50	500	mg/m3	964.88	
432	Methane	00074-82-8	MDQ750	5000	5000	5000	5000	ppm	16.05	
435	Methyl bromide	00074-83-9	MHR200	5	15	50	200	ppm	94.95	
436	Methyl chloride	00074-87-3	MIF765	50	100	400	1000	ppm	50.49	
439	Methyl Iodide	00074-88-4	MKW200	2	25	50	125	ppm	141.94	
466	Monomethylamine; (Methylamine)	00074-89-5	MGC250	10	10	100	500	ppm	31.07	
364	Hydrogen cyanide; (Hydrocyanic acid)	00074-90-8	HHS000	1.5	4.7	10	25	ppm	27.03	Rounding change
442	Methyl mercaptan	00074-93-1	MLE650	0.5	1.5	25	100	ppm	48.11	Odor-based E-1 ignored: Use T-0*3
574	Propane	00074-98-6	PMJ750	1000	2100	2100	2100	ppm	44.11	
300	Ethyl chloride	00075-00-3	EHH000	1000	3000	3800	3800	ppm	64.52	
741	Vinyl chloride	00075-01-4	VNP000	1	5	5	75	ppm	62.5	Rounding change
742	Vinyl fluoride	00075-02-5	VPA000	1	1	5	25	ppm	46	Added
6	Acetonitrile	00075-05-8	ABE500	40	60	60	500	ppm	41.06	Corrected T-2
2	Acetaldehyde	00075-07-0	AAG250	10	10	200	1000	ppm	44.06	
290	Ethanethiol; (Ethyl mercaptan)	00075-08-1	EMB100	0.5	1.5	10	500	ppm	62.14	Added
452	Methylene chloride	00075-09-2	MJP450	200	200	750	4000	ppm	84.93	
125	Carbon disulfide	00075-15-0	CBV500	4	12	50	500	ppm	76.13	
250	Dimethyl sulfide; (2-Thiopropane)	00075-18-3	TFP000	0.15	0.5	500	2000	ppm	62.14	
308	Ethylene oxide	00075-21-8	EJN500	1	7.5	50	500	ppm	44.06	Rounding change
91	Bromoform; (Tribromomethane)	00075-25-2	BNL000	0.5	1.5	2.5	850	ppm	252.75	
456	Methylpropane, 2-; (Isobutane)	00075-28-5	MOR750	150	400	3000	15000	ppm	58.14	Added
312	Ethyldene chloride, 1,1-; (1,1-Dichloroethane)	00075-34-3	DFF809	100	300	500	3000	ppm	98.96	
743	Vinyldene chloride; (1,1-dichloroethylene)	00075-35-4	VPK000	1	20	20	600	ppm	96.94	Rounding change
8	Acetyl chloride	00075-36-5	ACF750	0.0025	0.0075	0.05	125	ppm	78.5	Rounding change
213	Dichlorofluoromethane; (Freon 21, CFC 21)	00075-43-4	DFL000	10	30	100	5000	ppm	102.92	
547	Phosgene	00075-44-5	PGX000	0.1	0.1	0.2	1	ppm	98.91	Corrected T-1

Chemicals whose names are bolded had official ERPGs as of 9/30/97

Table 2: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by CASRN)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes from Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
148	Chlorodifluoromethane	00075-45-6	CFX500	1000	1250	7500	7500	ppm	86.47	Rounded T-3, T-2 <= T-3
718	Trimethylamine	00075-50-3	TLD500	5	15	100	500	ppm	59.13	
587	Propyleneimine, 1,2-	00075-55-8	PNL400?	2	6	51.5	100	ppm	57.11	Added
586	Propylene oxide; (Methyl ethylene oxide)	00075-56-9	PNL600	20	50	250	750	ppm	58.09	Correct ERPG-1
107	Cacodylic acid (as inorganic As)	00075-60-5	HKC000	0.03	0.03	0.05	250	mg/m3	138.01	Rounding change
92	Bromotrifluoromethane; (Trifluorobromomethane)	00075-63-8	TJY100	1000	3000	25000	40000	ppm	148.92	
705	Trichlorofluoromethane	00075-69-4	TIP500	500	500	1500	2000	ppm	137.36	
208	Dichlorodifluoromethane; (Freon 12, CFC 12)	00075-71-8	DFA600	1000	3000	10000	15000	ppm	120.91	
255	Dimethyldichlorosilane	00075-78-5	DFE259	0.25	0.8	5	25	ppm	129.06	
459	Methyltrichlorosilane	00075-79-6	MQC500	0.15	0.5	3	15	ppm	149.48	
454	Methylacrylonitrile	00075-86-5	MLC750	5	5	12	20	mg/m3	85.12	
699	Trichloroacetaldehyde monohydrate; (Chloral)	00075-87-6	CDN550	7.5	20	150	500	mg/m3	147.38	Added
528	Pentachloroethane	00076-01-7	PAW500	10	30	500	500	mg/m3	202.28	
156	Chloropicrin; (Trichloronitromethane)	00076-06-2	CKN500	0.1	0.2	0.2	3	ppm	164.37	
712	Trichlorotrifluoroethane; (Freon 113, or CFC113)	00076-13-1	FOO000	1000	1250	1500	2000	ppm	187.37	
226	Dichlorotetrafluoroethane; (Freon 114, CFC114)	00076-14-2	FOO509	1000	3000	10000	15000	ppm	170.92	
337	Heptachlor	00076-44-8	HAR000	0.15	0.15	0.25	35	mg/m3	373.3	
342	Hexachlorocyclopentadiene	00077-47-4	HCE500	0.01	0.02	0.02	0.02	ppm	272.75	
249	Dimethyl sulfate	00077-78-1	DUD100	0.1	0.3	1	7	ppm	126.14	
170	Citric acid	00077-92-9	CMS750	10	30	50	500	mg/m3	192.14	
671	Tetraethyl orthosilicate; (Ethyl silicate)	00078-10-4	EPF550	10	30	50	700	ppm	208.37	
721	Tri-n-octyl phosphine oxide	00078-50-2	zNF	10	30	50	250	mg/m3	386	
382	Isophorone	00078-59-1	IMF400	5	5	5	200	ppm	138.23	Added
379	Isobutyronitrile	00078-82-0	IJX000	8	10	50	200	ppm	69.12	
378	Isobutyl alcohol	00078-83-1	IIL000	50	150	250	1600	ppm	74.14	
219	Dichloropropane, 1,2-; (Propylene dichloride)	00078-87-5	PNJ400	75	110	110	400	ppm	112.99	Corrected T-2
96	Butanone, 2-; (MEK)	00078-93-3	MKA400	200	300	300	3000	ppm	72.12	Corrected T-2
703	Trichloroethane, 1,1,2-	00079-00-5	TIN000	10	30	50	100	ppm	133.4	
704	Trichloroethylene	00079-01-6	TIO750	50	100	500	5000	ppm	131.38	
144	Chloroacetyl chloride	00079-04-9	CEC250	0.05	0.1	1	10	ppm	112.94	

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No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes from Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
11	Acrylamide	00079-06-1	ADS250	0.03	0.09	60	60	mg/m3	71.09	
12	Acrylic acid	00079-10-7	ADS750	2	2	50	750	ppm	72.07	
143	Chloroacetic acid	00079-11-8	CEA000	0.075	0.25	1.8	75	mg/m3	94.5	Added
686	Thiosemicarbazide	00079-19-6	TFQ000	0.075	0.2	1.5	4	mg/m3	91.15	Rounding change
670	Tetrachloroethane, 1,1,2,2-	00079-34-5	TBQ100	1	3	5	100	ppm	167.84	
161	Chlorotrifluoroethylene	00079-38-9	CLQ750	5	20	100	300	ppm	116.47	
245	Dimethyl carbamoyl chloride	00079-44-7	DQY950	0.2	0.6	4	100	ppm	107.55	Added
497	Nitropropane, 2-	00079-46-9	NIY000	10	30	50	100	ppm	89.11	
540	Phenaglycodol; (Ultran), or (2-p-chlorophenyl-3-methyl-2,3-butanediol)	00079-93-6	CKE750	10	30	50	350	mg/m3	214.71	Rounding change
81	Bisphenol A	00080-05-7	BLD500	10	30	50	500	mg/m3	228.31	
443	Methyl methacrylate	00080-62-6	MLH750	100	300	500	1000	ppm	100.13	
529	Pentachloronitrobenzene	00082-68-8	PAX000	0.5	1.5	2.5	500	mg/m3	295.32	
593	Rotenone	00083-79-4	RNZ000	5	15	25	500	mg/m3	394.45	Added
234	Diethyl phthalate	00084-66-2	DJX000	5	15	25	500	mg/m3	222.26	Corrected T-2
202	Dibutyl phthalate	00084-74-2	DEH200	5	15	25	500	mg/m3	278.38	Rounding change
541	Phenanthrene	00085-01-8	PCW250	2	6	40	300	mg/m3	178.24	Added
553	Phthalic anhydride	00085-44-9	PHW750	6	18	30	60	mg/m3	148.12	
322	Fluorene, 9H-	00086-73-7	FDI100	25	75	500	500	mg/m3	166.23	Added
700	Trichlorobenzene, 1,2,3-	00087-61-6	TIK100	15	50	350	500	mg/m3	181.44	Added
217	Dichlorophenol, 2,6-	00087-65-0	DFY000	10	30	50	500	mg/m3	163	
340	Hexachlorobutadiene	00087-68-3	HCD250	0.02	3	10	30	ppm	260.74	
530	Pentachlorophenol	00087-86-5	PAX250	0.5	1.5	2.5	2.5	mg/m3	266.32	
707	Trichlorophenol, 2,4,6-	00088-06-2	TIW000	10	30	50	350	mg/m3	197.44	Rounding change
268	Dinoseb; (2-sec-Butyl-4,6-dinitrophenol)	00088-85-7	BRE500	4.5	4.5	4.5	10	mg/m3	240.24	Corrected T-3
554	Picric Acid	00088-89-1	PID000	0.1	0.3	15	75	mg/m3	229.12	Added
42	Anisidine, o-	00090-04-0	AOV900	0.5	1.5	2.5	50	mg/m3	123.17	Added
141	Chlornaphthalene, 1- (alpha)	00090-13-1	CIZ000	6	20	125	500	mg/m3	162.62	Added
545	Phenylphenol, 2-; (tert-Butylbenzene)	00090-43-7	BGJ250	25	75	500	500	mg/m3	170.22	Added
723	Tris(dimethylaminoethyl)phenol, 2,4,6-	00090-72-2	TNH000	5	15	100	500	mg/m3	265.45	Added

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Table 2: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by CASRN)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes from Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
473	Naphthalene	00091-20-3	NAJ500	10	15	35	250	ppm	128.18	Rounding change
590	Quinoline	00091-22-5	QMJ000	0.2	0.6	5	25	ppm	129.17	Added
455	Methylnaphthalene, 2-	00091-57-6	MMC000	6	20	125	500	mg/m3	142.21	Added
153	Chloronaphthalene,2- (beta)	00091-58-7	CJA000	0.2	0.6	150	500	mg/m3	162.62	Rounding change
472	Naphthylamine, beta-	00091-59-8	NBE500	2.5	7.5	50	300	mg/m3	143.2	Added
236	Diethylaniline, N,N-	00091-66-7	DIS700	3	10	60	350	mg/m3	149.26	Added
207	Dichlorobenzidene 3,3'-	00091-94-1	DEQ600	0.2	0.6	4	200	ppm	253.14	Rounding change
271	Diphenyl; (Biphenyl)	00092-52-4	BGE000	1	4	7	100	mg/m3	154.22	
29	Aminodiphenyl, p-	00092-67-1	AJS100	0.5	1.5	10	200	mg/m3	169.24	Added
274	Diphenyloxazole, 2,5-	00092-71-7	DWI200	10	30	50	500	mg/m3	221.27	
69	Benzidene	00092-87-5	BBX000	0.15	0.5	3.5	125	mg/m3	184.26	Corrected T-0, T-1
491	Nitrobiphenyl, 4- ; (p-Nitrobiphenyl)	00092-93-3	NFQ000	0.25	0.75	5	500	mg/m3	199.22	Added
708	Trichlorophenoxy)propionic acid, 2-; (2,4,5-(Silvex)	00093-72-1	TIX500	10	30	50	250	mg/m3	269.51	Rounding change
709	Trichlorophenoxyacetic acid, 2,4,5-; (2,4,5-T)	00093-76-5	TAA100	10	30	50	250	mg/m3	255.48	
218	Dichlorophenoxy acetic acid, 2,4-; (2,4- D salts and esters)	00094-75-7	DAA800	10	30	50	100	mg/m3	221.04	
369	Indene	00095-13-6	IBX000	10	30	50	300	ppm	116.17	Added
747	Xylene, o-	00095-47-6	XHJ000	100	150	200	900	ppm	106.18	
159	Chlorotoluene, 2-; (o-Chlorotoluene)	00095-49-8	CLK100	50	75	350	1500	ppm	126.59	Added
205	Dichlorobenzene, o-	00095-50-1	DEP600	25	50	50	200	ppm	147	
695	Toluidene, o-	00095-53-4	TGQ750	5	6	10	50	ppm	107.17	
155	Chlorophenol, o-	00095-57-8	CJK250	0.4	1	7.5	50	ppm	128.56	Rounding change
719	Trimethylbenzene, 1,2,4-; (Pseudocumene)	00095-63-6	TLL750	125	180	180	500	mg/m3	120.21	
694	Toluenediamine, 2,4-; (2,4-Diaminetoluene)	00095-80-7	TGL750	4	12.5	75	400	mg/m3	122.19	Added
665	Tetrachlorobenzene, 1,2,4,5-	00095-94-3	TBN750	10	30	50	500	mg/m3	215.88	
706	Trichlorophenol, 2,4,5-	00095-95-4	TIV750	10	30	50	350	mg/m3	197.44	Rounding change
200	Dibromo-3-chloropropane, 1,2-; (DBCP)	00096-12-8	DDL800	0.001	0.075	0.5	15	ppm	236.35	Added
710	Trichloropropane, 1,2,3-	00096-18-4	TJB600	10	30	50	100	ppm	147.43	Added
311	Ethylenethiourea; (2-Imidazolidinethione)	00096-45-7	IAQ000	3.5	10	75	500	mg/m3	102.17	Rounding change
329	Furfuryl alcohol	00098-00-0	FPU000	15	15	15	75	ppm	98.11	Added

Chemicals whose names are bolded had official ERPGs as of 9/30/97

Table 2: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by CASRN)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes from Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
328	Furancarboxyaldehyde, 2-; (Furfural)	00098-01-1	FPQ875	2	2	10	100	ppm	96.09	
105	Butylbenzene, tert-	00098-06-6	BQJ250	7.5	20	150	750	ppm	134.24	Added
75	Benzyl trichloride; (Trichloromethylbenzene)	00098-07-7	BFL250	0.04	0.1	0.7	25	mg/m3	195.47	Rounding change
183	Cumene	00098-82-8	COE750	50	150	250	900	ppm	120.21	
7	Acetophenone	00098-86-2	ABH000	10	30	50	350	mg/m3	120.16	Corrected T-3
65	Benzal chloride	00098-87-3	BAY300	0.1	0.3	2.3	500	mg/m3	161.03	Corrected T-0, T-1
490	Nitrobenzene	00098-95-3	NEX000	1	3	20	200	ppm	123.12	
720	Trinitrobenzene 1,3,5-	00099-35-4	TMK500	10	30	50	125	mg/m3	213.12	Rounding change
261	Dinitrobenzene, m-	00099-65-0	DUQ200	1	3	5	50	mg/m3	168.12	Added
503	Nitrotoluene, p-	00099-99-0	NMO550	5	6	10	200	ppm	137.15	Added
154	Chloronitrobenzene, p- ; (p-nitrochlorobenzene)	00100-00-5	NFS525	1	2	3	100	mg/m3	157.56	Added
489	Nitroaniline, p-	00100-01-6	NEO500	3	9	15	300	mg/m3	138.14	
495	Nitrophenol, 4-	00100-02-7	NIF000	10	30	50	150	mg/m3	139.12	
80	Bis(1-methylethyl)benzene, 1-4; (1,4-Diisopropylbenzene)	00100-18-5	DNN830	12.5	40	300	500	mg/m3	162.3	Added
299	Ethyl benzene	00100-41-4	EGP500	100	125	125	800	ppm	106.18	Rounding change
651	Styrene	00100-42-5	SMQ000	50	50	250	1000	ppm	104.16	
74	Benzyl chloride	00100-44-7	BEE375	1	1	10	25	ppm	126.59	
73	Benzyl alcohol	00100-51-6	BDX500	4	12.5	100	200	ppm	108.15	Added
354	Hexamethylenetetraamine	00100-97-0	HEI500	10	30	50	500	mg/m3	140.22	
450	Methylene bis(2-chloroaniline), 4,4'-; (MBOCA)	00101-14-4	MJM200	0.02	0.03	0.05	40	ppm	267.17	Rounding change
451	Methylene bisphenyl isocyanate (MDI)	00101-68-8	MJP400	0.005	0.2	2	25	mg/m3	250.27	
453	Methylenedianiline, 4,4'-	00101-77-9	MJQ000	0.01	0.1	0.6	15	ppm	198.29	Rounding change
713	Triethanolamine; (Trihydroxytriethylamine)	00102-71-6	TKP500	5	15	25	500	mg/m3	149.22	Added
195	Di-2-ethylhexyl adipate	00103-23-1	AEO000	150	500	500	500	mg/m3	370.64	Added
581	Propylbenzene, n- (Isocumene)	00103-65-1	IKG000	30	75	600	3000	ppm	120.21	Added
546	Phenylthiourea; (1-phenyl-2-thiourea)	00103-85-5	PGN250	3	3	3	3	mg/m3	152.23	
508	Nonyl Phenol, p-	00104-40-5	NNC510	6	20	125	500	mg/m3	220.39	Rounding change
103	Butylbenzene, n-; (1-Phenylbutane)	00104-51-8	BQI750	7.5	20	150	750	ppm	134.24	Added

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				T-0	T-1	T-2	T-3			
501	Nitrosophenol, p-	00104-91-6	NLF200	6	15	125	500	mg/m3	123.12	Added
43	Anisidine, p-	00104-94-9	AOW000	0.5	1.5	2.5	50	mg/m3	123.16	Added
120	Caprolactam (dust)	00105-60-2	CBF700	1	3	3	20	mg/m3	115.18	Added
748	Xylene, p-	00106-42-3	XHS000	100	150	200	900	ppm	106.18	
160	Chlorotoluene, 4-; (p-Tolyl chloride)	00106-43-4	TGY075	25	75	500	2500	ppm	126.59	Added
206	Dichlorobenzene, p-	00106-46-7	DEP800	75	110	110	150	ppm	147	Corrected T-2
146	Chloroaniline, p-	00106-47-8	CEH680	10	30	50	300	mg/m3	127.58	
544	Phenylenediamine, p-	00106-50-3	PEY500	0.1	0.3	0.5	25	mg/m3	108.16	Added
72	Benzoquinone, p-	00106-51-4	QQS200	0.4	1.3	2.2	100	mg/m3	108.1	
591	Quinone	00106-51-4	QQS200	0.1	0.3	0.5	22.6	ppm	108.1	Added
286	Epoxybutane, 1,2- ; (1,2-Butylene oxide)	00106-88-7	BOX750	40	100	400	400	ppm	72.12	Added
280	Epichlorohydrin	00106-89-8	EAZ500	2	2	20	100	ppm	92.53	
304	Ethylene dibromide	00106-93-4	EIY500	20	20	30	100	ppm	187.88	
94	Butadiene,1,3-	00106-99-0	BOP500	2	10	200	5000	ppm	54.1	
10	Acrolein	00107-02-8	ADR000	0.1	0.1	0.5	3	ppm	56.07	
20	Allyl chloride	00107-05-1	AGB250	1	3	40	300	ppm	76.53	
305	Ethylene dichloride	00107-06-2	EIY600	1	2	50	50	ppm	98.96	
14	Acrylonitrile	00107-13-1	ADX500	2	10	35	75	ppm	53.07	
19	Allyl alcohol	00107-18-6	AFV500	2	4	15	20	ppm	58.09	
576	Propargyl alcohol	00107-19-7	PMN450	1	3	5	60	ppm	56.07	Rounding change
142	Chloroacetaldehyde	00107-20-0	CDY500	1	3	22	45	ppm	78.5	Corrected T-1
306	Ethylene glycol	00107-21-1	EJC500	4	20	40	60	ppm	62.08	
303	Ethyl mercury chloride; (Chloroethyl mercury)	00107-27-7	CHC500	0.01	0.03	0.04	2	mg/m3	265.11	Added
152	Chloromethyl methyl ether	00107-30-2	CIO250	0.075	0.25	1.8	125	mg/m3	80.52	Rounding change
596	Sarin; (Isopropyl methanefluorophosphonate)	00107-44-8	IPX000	0.0025	0.0075	0.05	0.6	mg/m3	140.11	Rounding change
187	Cyanoacetamide	00107-91-5	COJ250	6	20	150	500	mg/m3	84.09	Added
583	Propylene glycol monomethyl ether; (UCAR TRIOL HG-170)	00107-98-2	UBA000	100	150	300	750	ppm	90.1	Rounding change
496	Nitropropane, 1-	00108-03-2	NIX500	25	75	125	1000	ppm	89.11	Added
738	Vinyl acetate	00108-05-4	VLU250	5	5	75	500	ppm	86.1	

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No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes from Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
440	Methyl isobutyl ketone; (Hexone)	00108-10-1	HFG500	50	75	500	500	ppm	100.18	Corrected T-2
418	Maleic anhydride	00108-31-6	MAM000	1	3	5	10	mg/m3	98.06	
582	Propylene carbonate, 1,2-	00108-32-7	CBW500	0.125	0.35	2.5	12.5	mg/m3	102.1	Added
746	Xylene, m-	00108-38-3	XHA000	100	150	200	900	ppm	106.18	
592	Resorcinol	00108-46-3	REA000	10	20	20	20	ppm	110.12	Corrected T-3
214	Dichloroisopropyl ether	00108-60-1	BII250	3.5	10	75	350	ppm	171.08	Rounding change
431	Mesitylene; (1,3,5-Trimethyl Benzene)	00108-67-8	TLM050	25	75	125	125	ppm	120.21	Added
89	Bromobenzene; (Phenyl bromide)	00108-86-1	PEO500	2.5	7.5	50	350	ppm	157.02	Added
692	Toluene	00108-88-3	TGK750	50	50	300	1000	ppm	92.15	
137	Chlorinated benzene	00108-90-7	CEJ125	30	30	50	1000	ppm	112.56	Corrected T-0, T-1, T-2
191	Cyclohexylamine	00108-91-8	CPF500	10	30	50	200	ppm	99.2	
190	Cyclohexanone; (Ketohexamethylene)	00108-94-1	CPC000	50	75	125	700	ppm	98.16	Added
542	Phenol	00108-95-2	PDN750	5	10	50	200	ppm	94.12	
95	Butanethiol; (n-Butyl mercaptan)	00109-79-5	BRR900	0.5	0.5	0.5	500	ppm	90.2	Added
447	Methylal; (Dimethoxymethane)	00109-87-5	MGA850	1000	3000	5000	25000	ppm	76.11	Added
673	Tetrahydrofuran	00109-99-9	TCR750	200	250	2000	2000	ppm	72.12	Corrected T-2
327	Furan	00110-00-9	FPK000	0.02	0.06	0.43	7.5	ppm	68.08	Rounding change
377	Isobutyl acetate	00110-19-0	IIJ000	150	450	750	1300	ppm	116.18	Added
444	Methyl n-amyl ketone	00110-43-0	MGN500	100	150	250	800	ppm	114.21	Added
376	Isoamyl nitrite; (Isopentyl nitrite)	00110-46-3	IMB000	3	7.5	60	300	ppm	117.17	Rounding change
357	Hexane	00110-54-3	HEN000	50	150	250	1100	ppm	86.2	
106	Butyne-1,4-diol, 2-; (1,4-Butynediol)	00110-65-6	BST500	1	1	20	30	mg/m3	86.1	Added
292	Ethoxyethanol, 2-	00110-80-5	EES350	0.5	15	25	500	ppm	90.14	
189	Cyclohexane	00110-82-7	CPB000	300	900	1300	1300	ppm	84.18	
589	Pyridine	00110-86-1	POP250	5	15	25	1000	ppm	79.11	
293	Ethoxyethylacetate, 2-	00111-15-9	EES400	0.5	15	25	500	ppm	132.18	Added
102	Butyl isocyanate, n-	00111-36-4	BRQ500	0.0035	0.01	0.05	1	ppm	99.15	Rounding change
232	Diethanolamine	00111-42-2	DHF000	2	6	10	300	mg/m3	105.16	Added
211	Dichloroethyl ether	00111-44-4	DFJ050	5	10	25	100	ppm	143.02	Rounding change
98	Butoxyethanol, 2-	00111-76-2	BPJ850	50	75	125	700	ppm	118.2	

Chemicals whose names are bolded had official ERPGs as of 9/30/97

Table 2: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by CASRN)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes from Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
505	Nonane (Shell Sol 140); (Aquasol MSDS gives CAS No. 64742-88-7)	00111-84-2	NMX000	200	200	200	350	ppm	128.29	Rounding change
199	Dibromo 3-chloropropane, 1,2-; (n-Dibutylamine)	00111-92-2	DDT800	0.5	1.5	10	50	ppm	129.28	Added
97	Butoxyethanol acetate; 2- (Ethylene glycol monobutyl ether acetate)	00112-07-2	BPM000	5	5	30	150	ppm	160.24	Rounding change
239	Diglycol monoethyl ether acetate; (Carbitol acetate)	00112-15-2	CEQ750	40	125	500	500	mg/m ³	176.24	Added
579	Propoxur	00114-26-1	PMY300	0.5	1.5	2.5	20	mg/m ³	209.27	Added
277	Endosulfan	00115-29-7	EAQ750	0.1	0.3	0.8	35	mg/m ³	406.91	Rounding change
122	Carbanolate (propanal,-); (Aldecarb or Methyl-2-(methylthio) propanaldehyde-oxide, 2-)	00116-06-3	CBM500	0.3	0.3	0.3	0.3	mg/m ³	190.29	Corrected T-0
672	Tetrafluoroethylene	00116-14-3	TCH500	60	200	1000	10000	ppm	100.02	Rounding change
351	Hexafluoropropylene; (Hexafluoropropene)	00116-15-4	HDF000	3.5	10	50	500	ppm	150.03	Rounding change
276	Di-sec-octylphthalate	00117-81-7	DVL700	5	10	75	500	mg/m ³	390.62	Rounding change
339	Hexachlorobenzene	00118-74-1	HCC500	0.025	0.075	0.125	200	mg/m ³	284.76	
244	Dimethoxybenzidine 3,3'-; (o-Dianisidine)	00119-90-4	DCJ200	1.5	5	35	500	mg/m ³	244.32	Rounding change
254	Dimethylbenzidine 3,3'-; (o-Tolidine)	00119-93-7	TGJ750	0.001	0.003	0.02	300	mg/m ³	212.32	Rounding change
44	Anthracene	00120-12-7	APG500	2	6	40	500	mg/m ³	178.24	Added
132	Catechol	00120-80-9	CCP850	5	15	25	25	ppm	110.12	Added
701	Trichlorobenzene,1,2,4-	00120-82-1	TIK250	5	5	5	40	ppm	181.44	Corrected T-0, T-1
216	Dichlorophenol, 2,4-	00120-83-2	DFX800	10	30	50	250	mg/m ³	163	
266	Dinitrotoluene 2,4-	00121-14-2	DVH000	0.45	0.45	0.75	50	mg/m ³	182.15	
417	Malathion	00121-75-5	MAK700	15	30	50	250	mg/m ³	330.38	Added
272	Diphenylamine	00122-39-4	DVX800	10	30	50	125	mg/m ³	169.24	Rounding change
273	Diphenylhydrazine 1,2,3-	00122-66-7	HHG000	10	30	50	125	mg/m ³	184.26	Rounding change
578	Propionaldehyde	00123-38-6	PMT750	30	75	500	500	mg/m ³	58.09	Added
374	Isoamyl alcohol (primary)	00123-51-3	IHP000	100	125	125	500	ppm	88.17	
522	Paraldehyde	00123-63-7	PAI250	10	30	50	500	mg/m ³	132.18	
237	Diethyleneoxide, 1,4-; (1,4-dioxane)	00123-91-1	DVQ000	25	75	75	500	ppm	88.11	Corrected T-2
124	Carbon dioxide	00124-38-9	CBU250	10000	30000	40000	40000	ppm	44.01	
252	Dimethylamine	00124-40-3	DOQ800	10	15	100	500	ppm	45.1	
201	Dibromochloromethane; (Chlorodibromomethane)	00124-48-1	CFK500	2	6	40	150	mg/m ³	208.29	Added

Chemicals whose names are bolded had official ERPGs as of 9/30/97

Table 2: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by CASRN)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes from Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
86	Bromo-1-chloro-5,5-dimethylhydantoin, 3-	00126-06-7	BNA325	10	30	50	250	mg/m3	241.49	
697	Tributyl phosphate	00126-73-8	TIA250	0.2	0.6	1	30	ppm	266.36	
675	Tetramethyl-5-decyn-4,7-diol, 2,4,7,9-	00126-86-3	zNF	10	30	50	250	mg/m3		
157	Chloroprene; (Neoprene)	00126-99-8	NCI500	1	1	1	300	ppm	88.54	Added
616	Sodium acetate	00127-09-3	SEG500	15	40	300	500	mg/m3	82.04	Added
532	Perchloroethylene; (tetrachloroethylene)	00127-18-4	PCF275	25	100	200	1000	ppm	165.82	
588	Pyrene	00129-00-0	PON250	15	15	15	15	mg/m3	202.26	Added
474	Napthoquinone, 1,4-	00130-15-4	NBA500	0.2	0.6	4	75	mg/m3	158.16	
259	Dimethylphthalate	00131-11-3	DTR200	5	15	25	500	mg/m3	194.2	Rounding change
38	Ammonium picrate	00131-74-8	ANS500	10	30	50	250	mg/m3	246.16	
121	Captan	00133-06-2	CBG000	5	15	25	500	mg/m3	300.59	Added
135	Chloramben; (3-Amino-2,5-dichlorobenzoic acid)	00133-90-4	AJM000	35	100	500	500	mg/m3	206.03	Added
471	Naphthalenamine, 1-; (1-Naphthylamine)	00134-32-7	NBE700	12.5	35	250	350	mg/m3	143.2	Rounding change
104	Butylbenzene, sec-; (2-Phenylbutane)	00135-98-8	BQJ000	1.5	5	35	150	ppm	134.24	Added
30	Aminoethylpiperazine, n-	00140-31-8	AKB000	2.5	7.5	50	500	mg/m3	129.24	Corrected T-0, T-1
297	Ethyl acrylate	00140-88-5	EFT000	15	15	15	300	ppm	100.13	Added
99	Butyl acrylate, n-	00141-32-2	BPW100	0.05	0.05	25	250	ppm	128.19	
291	Ethanolamine	00141-43-5	EEC600	3	6	30	30	ppm	61.1	Corrected T-3
630	Sodium formate	00141-53-7	SHJ000	40	125	500	500	mg/m3	68.01	Added
296	Ethyl acetate	00141-78-6	EFR000	400	1200	2000	2000	ppm	88.12	
220	Dichloropropane, 1,3-	00142-28-9	DFG800	5	15	100	500	ppm	112.99	Added
275	Dipropylamine	00142-84-7	DWR000	15	50	350	500	mg/m3	101.22	Corrected T-0,-1,-2
627	Sodium cyanide	00143-33-9	SGA500	5	5	5	25	mg/m3	49.01	
386	Kepone; (Chlordecone)	00143-50-0	KEA000	0.001	0.1	0.6	40	mg/m3	490.6	Rounding change
643	Sodium tetraphenyl borate	00143-66-8	zNF	1.25	3.5	25	125	mg/m3	342.23	Added
620	Sodium bicarbonate	00144-55-8	SFC500	10	30	50	500	mg/m3	84.01	
513	Oxalic acid - anhydrous	00144-62-7	OLA000	1	2	500	500	mg/m3	90.04	Corrected T-2
514	Oxalic acid - dihydrate	00144-62-7	zNF	1	2	500	500	mg/m3	126.1	Corrected T-2
302	Ethyl hexanoic acid, 2-; (Butyl ethyl acetic acid)	00149-57-5	BRI250	6	15	125	500	mg/m3	144.24	Added
632	Sodium lauryl sulfate; (Surfactant)	00151-21-3	SIB600	1.5	5	35	500	mg/m3	289.43	Added

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Table 2: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by CASRN)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes from Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
566	Potassium cyanide	00151-50-8	PLC500	5	5	5	25	mg/m3	65.12	
310	Ethyleneimine	00151-56-4	EJM900	0.5	1.5	2.3	100	ppm	43.08	
209	Dichloroethene, cis-1,2	00156-59-2	DFI200	200	200	400	2000	ppm	96.94	Added
210	Dichloroethene, trans-1,2; (trans-Acetylene dichloride)	00156-60-5	ACK000	4	12.5	100	2500	ppm	96.94	Added
117	Calcium cyanamide	00156-62-7	CAQ250	0.5	1.5	2.5	35	mg/m3	80.11	Added
321	Fluoranthene	00206-44-0	FDF000	0.025	0.075	0.5	500	mg/m3	202.26	Added
169	Chrysene (coal tar volat)	00218-01-9	CML810	0.2	0.3	2	80	mg/m3	228.3	Rounding change
445	Methyl parathion	00298-00-0	MNH000	0.2	0.34	0.34	15	mg/m3	263.22	
359	Hydrazine	00302-01-2	HGS000	0.1	0.3	0.8	10	ppm	32.06	
698	Trichloroacetaldehyde hydrate; (Chloral hydrate)	00302-17-0	CDO000	10	30	50	50	mg/m3	165.4	Corrected T-3
243	Dimethanonaphthalene1,4,5,8-; (Aldrin)	00309-00-2	AFK250	0.25	0.75	10	25	mg/m3	364.9	
341	Hexachlorocyclohexane, alpha-; (alpha-Benzene hexachloride)	00319-84-6	BBQ000	0.5	7.5	50	500	mg/m3	290.82	Added
683	Thenoyl trifluoroacetone (MSDS data)	00326-91-0	NF	0.1	3.5	25	125	mg/m3	222.09	Rounding change
196	Diazomethane	00334-88-3	DCP800	0.2	0.6	1	2	ppm	42.05	Added
93	Brucine (as srychnine)	00357-57-3	BOL750	0.15	0.45	25	125	mg/m3	394.51	Rounding change
533	Perfluoroisobutylene; (Octafluoro-sec-butene)	00382-21-8	OBM000	0.005	0.015	0.1	0.3	ppm	200.04	Rounding change
607	Silicon carbide	00409-21-2	SCQ000	15	30	50	250	mg/m3	40.1	Added
185	Cyanamide	00420-04-2	COH500	2	6	10	35	mg/m3	42.05	Added
188	Cyanogen	00460-19-5	COO000	10	30	50	50	ppm	52.04	Added
388	Ketene; (Carbomethene, Ethenone)	00463-51-4	KEU000	0.5	1.5	1.5	5	ppm	42.04	Added
129	Carbonyl sulfide	00463-58-1	CCC000	1.25	4	25	125	ppm	60.07	Rounding change
623	Sodium carbonate	00497-19-8	SFO000	10	30	50	500	mg/m3	105.99	Rounding change
611	Silver cyanide	00506-64-9	SDP000	10	30	50	50	mg/m3	133.89	Rounding change
676	Tetraniromethane	00509-14-8	TDY250	0.015	0.015	1	4	ppm	196.05	Corrected T-0, T-1
147	Chlorobenzylate; (4,4'-Dichloro-benzilic acid ethyl ester)	00510-15-6	DER000	0.075	0.25	1.5	300	mg/m3	325.2	Added
262	Dinitro-o-cresol, 4,6- and salts	00534-52-1	DUS700	0.2	0.5	0.500	5	mg/m3	198.15	Added
212	Dichloroethylene, 1,2-	00540-59-0	DFI210	200	600	1000	1000	ppm	96.94	
257	Dimethylhydrazine, 1,2-	00540-73-8	DSF600	1.25	3.5	25	500	mg/m3	60.12	Added

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No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes from Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
608	Silicone (several formulations)	00541-02-6	DAF350	10	30	50	500	mg/m3	370.85	
204	Dichlorobenzene, m-	00541-73-1	DEP599	2	6	40	200	ppm	147	Corrected all Ts
223	Dichloropropene, 1,3-	00542-75-6	DGG950	1	3	5	50	ppm	110.97	
215	Dichloromethyl ether; (Bis[chloromethyl]ether]	00542-88-1	BIK000	0.001	0.003	0.05	0.75	ppm	114.96	Rounding change
413	Magnesium carbonate (Magnesite)	00546-93-0	MAC650	10	30	50	250	mg/m3	84.32	Corrected T-3
224	Dichloropropene, cis-1,2-	00563-54-2	DGG800	4	10	75	400	ppm	110.97	Added
225	Dichloropropene, trans-1,2-	00563-54-2	DGG800	4	10	75	400	ppm	110.97	Added
222	Dichloropropene, 1,1-	00563-58-6	DGG750	1.5	5	40	200	ppm	110.97	Added
375	Isoamyl alcohol (secondary)	00584-02-1	IHP010	100	125	125	500	ppm	88.17	
564	Potassium carbonate	00584-08-7	PLA000	10	30	50	500	mg/m3	138.21	
693	Toluene diisocyanate, 2,4-	00584-84-9	TGM750	0.005	0.02	1	2.5	ppm	174.17	
270	Diphenyl mercury (aryl compound)	00587-85-9	DWD800	0.1	0.1	0.1	10	mg/m3	354.81	
438	Methyl fluoride (as Fl); (Fluoromethane)	00593-53-3	FJK000	2.5	7.5	12.5	250	mg/m3	34.03	
740	Vinyl bromide	00593-60-2	VMP000	5	15	25	50	ppm	106.96	Added
247	Dimethyl mercury	00593-74-8	DSM450	0.01	0.03	0.04	2	mg/m3	230.67	Added
221	Dichloropropane, 2,2-; (use propylene dichloride)	00594-20-7	DGF900	75	110	110	400	ppm	112.99	Added
88	Bromoacetone	00598-31-2	BNZ000	0.075	0.2	1.5	7.5	ppm	136.99	Rounding change
267	Dinitrotoluene 2,6-	00606-20-2	DVH400	0.45	0.45	0.75	50	mg/m3	182.15	
68	Benzene hexachloride	00608-73-1	BBP750	0.15	0.5	4	40	mg/m3	290.82	Added
525	Pentachlorobenzene	00608-93-5	PAV500	10	30	50	400	mg/m3	250.32	Rounding change
502	Nitrosotoluene, p-	00611-23-4	NLW500	7.5	25	150	500	mg/m3	121.15	Added
441	Methyl isocyanate	00624-83-9	MKX250	0.02	0.025	0.5	5	ppm	57.06	
246	Dimethyl disulfide	00624-92-0	DRQ400	0.003	0.01	50	250	ppm	94.2	
233	Diethyl mercury	00627-44-1	DJO400	0.01	0.03	0.04	2	mg/m3	258.73	Added
126	Carbon monoxide	00630-08-0	CBW750	35	200	350	500	ppm	28.01	
669	Tetrachloroethane 1,1,1,2-	00630-20-6	TBQ000	3	7.5	60	200	ppm	167.84	Rounding change
242	Diketene (ketene dimer)	00674-82-8	KFA000	0.35	1	5	50	ppm	84.08	Rounding change
356	Hexamethylphosphoramide	00680-31-9	HEK000	0.04	0.125	0.75	150	ppm	179.24	Added
674	Tetramethoxysilane; (Methyl silicate)	00681-84-5	MPI750	1	3	10	20	ppm	152.25	Added
350	Hexafluoroacetone and hydrates	00684-16-2	HCZ000	0.1	0.3	1	50	ppm	166.03	

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No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes from Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
500	Nitroso-N-methylurea, n-	00684-93-5	MNA750	0.05	0.15	1	50	mg/m3	103.1	Added
203	Dichloro-2-butene 1,4-	00764-41-0	DEV000	0.005	0.015	0.025	125	ppm	125	Rounding change
333	Glycidaldehyde	00765-34-4	GGW000	0.025	0.075	0.5	25	ppm	72.07	Added
353	Hexamethylene diisocyanate; (1,6-Diisocyanatohexane)	00822-06-0	DNJ800	0.005	0.015	0.2	3.5	ppm	168.22	Rounding change
338	Heptachlor epoxide; (Epoxyheptachlor)	01024-57-3	EBW500	0.15	0.15	0.25	6	mg/m3	389.3	
575	Propane sultone, 1,3-	01120-71-4	PML400	0.75	2.5	15	60	mg/m3	122.15	Added
749	Xyldine	01300-73-8	XMA000	1.5	1.5	2.5	50	ppm	121.2	Added
27	Aluminum(III)silicate (2:1); (Oil-dri)	01302-76-7	AHF500	2	6	10	50	mg/m3	162.05	Added
171	Clay absorbent (Bentonite)	01302-78-9	BAV750	10	30	50	60	mg/m3		Added
53	Arsenic pentoxide (inorg cmpd)	01303-28-2	ARH500	0.01	0.03	0.05	5	mg/m3	229.84	Added
622	Sodium borate decahydrate	01303-96-4	SFE500	10	15	25	500	mg/m3	381.4	
63	Barium oxide	01304-28-5	BAO000	0.5	1.5	2.5	20	mg/m3	153.34	
517	Paint and Sludge; (Bismuth hydroxide nitrate oxide)	01304-85-4	BKW100	7.5	20	150	500	mg/m3	1462	Added
119	Calcium oxide	01305-78-8	CAU500	5	6	10	25	mg/m3	56.08	
112	Cadmium oxide	01306-19-0	CAH500	0.005	0.03	0.05	12.5	mg/m3	128.4	Added
164	Chromic trihydroxide; (Chromic(III) acid)	01308-14-1	CMH260	0.5	1.5	2.5	25	mg/m3	103.03	Added
163	Chromic oxide (Chromium(III) oxide)	01308-38-9	CMJ900	0.5	1.5	2.5	25	mg/m3	152	
373	Iron oxide; (Ferric oxide)	01309-37-1	IHD000	10	15	25	500	mg/m3	159.7	
415	Magnesium oxide	01309-48-4	MAH500	10	30	50	500	mg/m3	40.31	Corrected T-3
395	Lead dioxide	01309-60-0	LCX000	0.05	0.15	0.25	100	mg/m3	239.19	Added
47	Antimony trioxide	01309-64-4	AQF000	0.5	1.5	2.5	50	mg/m3	291.5	Added
569	Potassium hydroxide	01310-58-3	PLJ500	2	2	2	150	mg/m3	56.11	
408	Lithium hydroxide	01310-65-2	LHI100	0.05	0.15	1	100	mg/m3	23.95	Rounding change
631	Sodium hydroxide	01310-73-2	SHS500	2	2	40	100	mg/m3	40	
421	Manganese dioxide (as Mn)	01313-13-9	MAS000	0.2	3	5	500	mg/m3	86.94	
639	Sodium peroxide	01313-60-6	SJC500	10	30	50	250	mg/m3	77.98	
484	Nickel oxide (insoluble compounds as Ni)	01313-99-1	NDF500	1	3	5	20	mg/m3	74.71	
753	Zinc oxide	01314-13-2	ZKA000	10	10	15	500	mg/m3	81.37	Corrected T-1
682	Thallium(III) oxide	01314-32-5	TEL050	2	2	2	20	mg/m3	456.74	

Chemicals whose names are bolded had official ERPGs as of 9/30/97

Table 2: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by CASRN)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes from Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
726	Tungsten trioxide	01314-35-8	TOC750	5	10	150	500	mg/m3	231.85	Added
398	Lead tetroxide	01314-41-6	LDS000	0.05	0.15	0.25	100	mg/m3	685.57	Added
550	Phosphorous pentoxide	01314-56-3	PHS250	1	5	25	100	mg/m3	141.94	
736	Vanadium pentoxide	01314-62-1	VDU000	0.05	0.075	0.5	35	mg/m3	181.88	Rounding change
397	Lead oxide (as Pb); (Lead monoxide)	01317-36-8	LDN000	0.05	0.15	0.25	100	mg/m3	223.19	
115	Calcium carbonate; (Dolomite)	01317-65-2	CAO000	10	30	50	250	mg/m3	100.09	
401	Limestone; (Calcium carbonate)	01317-65-3	CAO000	15	30	50	250	mg/m3	100.09	Added
180	Cresols	01319-77-3	CW500	5	15	25	250	ppm	108.15	
54	Arsenic trioxide	01327-53-3	ARI750	0.01	0.2	1.4	5	mg/m3	197.84	Added
50	Arsenic (inorganic cmpds as As ₂ O ₃)	01327-53-3	ARI750	0.01	0.03	1.4	5	mg/m3	197.84	
745	Xylene	01330-20-7	XGS000	100	150	200	900	ppm	106.18	
615	Sodium (tetra)borate, di-	01330-43-4	DXG035	3	3	5	25	mg/m3	201.22	
67	Benzene 1,1'-(2,2-dichloroethyl); (Ethyldichlorobenzene?)	01331-29-9	EHY500	20	60	500	500	mg/m3	175.06	Added
165	Chromic trioxide	01333-82-0	CMK000	0.05	0.05	0.1	15	mg/m3	100	Added
392	Lead acetate (as Pb)	01335-32-6	LCH000	0.05	0.15	0.25	100	mg/m3	807.71	
348	Hexachloronaphthalene	01335-87-1	HCK500	0.2	0.2	0.2	2	mg/m3	334.82	Added
35	Ammonium Hydroxide (as NH ₃)	01336-21-6	ANK250	25	35	35	35	ppm	35.06	Corrected T-2, T-3
556	Polychlorinated biphenyl; (Aroclor)	01336-36-3	PJL750	0.001	0.003	0.005	500	mg/m3		
437	Methyl ethyl ketone peroxide	01338-23-4	MKA500	0.01	0.03	0.2	20	ppm	176.24	Added
416	Magnesium silicate (hydrate)	01343-90-4	MAJ000	10	30	50	250	mg/m3	278.91	Added
25	Aluminum oxide	01344-28-1	AHE250	10	15	15	25	mg/m3	101.96	
241	Diisopropyl methylphosphonate	01445-75-6	DNQ875	10	30	50	350	mg/m3	180.21	Rounding change
716	Trifluralin; (2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)benzenamine	01582-09-8	DUV600	0.025	0.075	0.6	300	mg/m3	335.32	Added
457	Methyl-tert-butyl ether	01634-04-4	MHV859	40	120	200	10000	ppm	88.17	Added
269	Dioxine; (TCDD; 2,3,6,7-tetrachlorodibenzo-p-dioxin)	01746-01-6	TAI000	0.003	0.0075	0.0075	0.0075	mg/m3	321.96	Added
667	Tetrachlorodibenzo-p-dioxin, 1,2,3,8-; (TCDD)	01746-01-6	TAI000	0.00004	0.000125	0.00075	0.0075	mg/m3	321.96	Added
510	Octachloronaphthalene	02234-13-1	OAP000	0.1	0.3	0.3	0.3	mg/m3	403.7	Added
464	Mirex	02385-85-5	MQW500	0.03	0.075	0.6	100	mg/m3	545.5	Added

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No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes from Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
101	Butyl glycidyl ether, n-	02426-08-6	BRK750	25	75	125	250	ppm	130.21	
58	Auramine; (4,4-[imid0carbonyl]bis[n.n.-dimethylamine])	02465-27-2	IBA000	10	30	50	150	mg/m3	321.89	Rounding change
717	Trimethoxysilane	02487-90-3	TLB750	0.05	0.5	2	5	ppm	122.22	
313	Etylene glycol monopropyl ether; (Propyl cellosolve)	02807-30-9	PNG750	4	12.5	75	400	ppm	104.17	Added
580	Propyl cellosolve (Ektasolve EP)	02807-30-9	PNG750	4	12.5	75	400	ppm	104.17	Added
28	Amino-2-methyl-2-propanol, 1-	02854-16-2	ALB250	10	30	200	500	mg/m3	89.16	Added
646	Sodium-o-benzyl-p-chlorophenate	03184-65-4	SFB200	10	30	50	250	mg/m3	241.68	Added
572	Potassium tetraphenylborate; (data from MSDS)	03244-41-5	zNF	1	3	5	25	mg/m3	358.31	
178	Copper nitrate	03251-23-8	CNM750	1	3	5	100	mg/m3	187.55	
260	Dinitraniline; (Hansa orange RN)	03468-63-1	DVB800	10	30	50	250	mg/m3	338.3	Added
391	Lead (II) arsenate	03687-31-8	LCK100	0.002	0.002	0.002	100	mg/m3	899.41	Added
145	Chloroallyl)-3,5,7-triaza-1-azo-niaadamantane chloride, 1-(3-	04080-31-3	CEG550	10	30	50	200	mg/m3	251.19	Rounding change
182	Crotonaldehyde	04170-30-3	COB250	2	2	10	50	ppm	70.09	
458	Methyltriacetoxysilane	04253-34-3	MQB500	7.5	25	150	500	mg/m3	220.28	Added
523	Paraquat; Paraquat hydrochloride	04685-14-7 01910-42-5	PAI990	0.15	0.15	0.15	1	mg/m3	186.28	Added
652	Sulfamic acid	05329-14-6	SNK500	12.5	40	250	500	mg/m3	97.1	Added
664	Tetrabutyl Titanate	05593-70-4	BSP250	0.75	2.5	20	100	ppm	340.42	Rounding change
399	Lead,bis(acetato)trihydroxytri- (as Pb)	06080-56-4	LCJ000	0.05	0.15	0.25	100	mg/m3	379.35	
679	Thallium carbonate (2:1)	06533-73-9	TEJ000	0.1	0.3	2	15	mg/m3	468.75	
531	Perchloric acid	07061-90-3	PCD250	1	3.5	20	100	ppm	100.46	Added
21	Aluminum (powder)	07429-90-5	AGX000	15	30	50	250	mg/m3	26.98	Added
371	Iron	07439-89-6	IGK800	10	30	50	500	mg/m3	55.85	Added
390	Lead	07439-92-1	LCF000	0.05	0.15	0.25	100	mg/m3	207.19	
404	Lithium	07439-93-2	LGO000	10	30	50	250	mg/m3	6.94	
412	Magnesium	07439-95-4	MAC750	10	30	50	250	mg/m3	24.31	
419	Manganese	07439-96-5	MAP750	0.2	3	5	500	mg/m3	54.94	Added
428	Mercury (elemental & inorganic as Hg)	07439-97-6	MCW250	0.05	0.1	0.1	10	mg/m3	200.59	Corrected T-1, T-2
465	Molybdenum	07439-98-7	MRC250	5	15	25	60	mg/m3	95.94	Added

Chemicals whose names are bolded had official ERPGs as of 9/30/97

Table 2: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by CASRN)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes from Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
478	Nickel	07440-02-0	NCW500	1	3	10	10	mg/m3	58.71	
520	Palladium	07440-05-3	PAD250	10	30	50	250	mg/m3	106.4	
563	Potassium (usually hydroxide)	07440-09-7	PKT250	2	2	2	10	mg/m3	39.1	Added
594	Ruthenium	07440-18-8	RRU000	10	30	50	250	mg/m3	101.07	Added
606	Silicon	07440-21-3	SCP000	15	30	50	500	mg/m3	28.09	Added
609	Silver	07440-22-4	SDI500	0.01	0.3	0.5	10	mg/m3	107.87	
614	Sodium	07440-23-5	SEE500	50	150	500	500	mg/m3	22.99	Corrected T-0,-1,-2
648	Strontium	07440-24-6	SMD500	10	30	50	250	mg/m3	87.62	Added
678	Thallium (elemental and soluble compounds)	07440-28-0	TEI000	0.1	0.3	2	15	mg/m3	204.37	
688	Tin	07440-31-5	TGB250	2	6	10	100	mg/m3	118.71	
689	Titanium	07440-32-6	TGF250	10	30	50	250	mg/m3	47.9	
725	Tungsten	07440-33-7	TOA750	5	10	10	500	mg/m3	183.85	Added
45	Antimony	07440-36-0	AQB750	0.5	1.5	2.5	50	mg/m3	121.75	
51	Arsenic (organic cmpds as As)	07440-38-2	ARA750	0.03	0.03	0.05	350	mg/m3	74.92	Rounding change
59	Barium	07440-39-3	BAH250	0.5	1.5	2.5	12.5	mg/m3	137.36	
76	Beryllium	07440-41-7	BFO750	0.002	0.005	0.025	0.1	mg/m3	9.01	T-1 < PEL-C
83	Boron	07440-42-8	BMD500	2.5	7.5	50	250	mg/m3	10.81	Added
108	Cadmium & compounds (as Cd)	07440-43-9	CAD000	0.005	0.03	4	9	mg/m3	112.4	
128	Carbon; (Graphite, CASRN 7782-42-5)	07440-44-0	CBT500	2	6	10	500	mg/m3	12.01	Added
166	Chromium	07440-47-3	CMI750	1	1.5	2.5	250	mg/m3	52	
175	Cobalt	07440-48-4	CNA250	0.06	0.06	0.1	20	mg/m3	58.93	Added
176	Copper	07440-50-8	CNI000	1	3	5	100	mg/m3	63.54	
334	Hafnium	07440-58-6	HAC000	0.5	1.5	2.5	50	mg/m3	178.49	Added
727	Uranium	07440-61-1	UNS000	0.05	0.6	2	10	mg/m3	238	
735	Vanadium	07440-62-2	VCP000	0.05	0.075	0.5	35	mg/m3	50.94	Added
750	Yttrium	07440-65-5	YEJ000	1	3	5	25	mg/m3	88.91	Added
751	Zinc	07440-66-6	ZBJ000	10	30	50	250	mg/m3	65.37	
754	Zirconium and compounds (as Zr)	07440-67-7	ZOA000	5	10	10	50	mg/m3	91.22	Corrected T-2
113	Calcium	07440-70-2	CAL250	10	30	50	250	mg/m3	40.08	
662	Tellurium oxide (dioxide) (as Te)	07446-07-3	TAJ750	0.1	0.3	0.5	60	mg/m3	159.6	Corrected T-3

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				T-0	T-1	T-2	T-3			
599	Selenium dioxide	07446-08-4	SBQ500	0.2	0.6	1	1	mg/m3	110.96	Added
654	Sulfur dioxide	07446-09-5	SOH500	0.3	0.3	3	15	ppm	64.06	
177	Copper chloride; (plus SAX # CNK 250, 559)	07447-39-4	CNK500	1	3	5	100	mg/m3	134.44	
429	Mercury (II) chloride (as Hg)	07487-94-7	MCY475	0.025	0.025	0.1	10	mg/m3	271.5	Added
405	Lithium bromide	07550-35-8	LGY000	1	7	15	500	mg/m3	86.85	
691	Titanium tetrachloride	07550-45-0	TGH350	0.5	5	20	100	mg/m3	189.7	
370	Iodine	07553-56-2	IDM000	0.035	0.1	0.5	5	ppm	253.8	Rounding change
407	Lithium hydride	07580-67-8	LHH000	0.025	0.025	0.1	0.5	mg/m3	7.95	
640	Sodium phosphate (tribasic)	07601-54-9	SJH200	5	5	5	500	mg/m3	163.94	Rounding change
602	Silica, amorphous hydrated	07631-86-9	SCI000	6	30	50	500	mg/m3	60.09	Added
617	Sodium arsenate (as As)	07631-89-2	ARD750	0.002	0.002	0.002	5	mg/m3	202.94	Corrected all Ts
621	Sodium bisulfite	07631-90-5	SFE000	5	15	25	500	mg/m3	104.06	Added
636	Sodium nitrate	07631-99-4	SIO900	10	30	50	100	mg/m3	85	
637	Sodium nitrite	07632-00-0	SIQ500	10	30	50	60	mg/m3	69	
363	Hydrogen chloride; (Hydrochloric acid)	07647-01-0	HHL000	0.5	3	20	100	ppm	36.46	
624	Sodium chloride	07647-14-5	SFT000	15	40	300	500	mg/m3	58.44	Added
549	Phosphoric acid	07664-38-2	PHB250	1	3	500	500	mg/m3	98	Corrected T-2
365	Hydrogen fluoride; (Hydrofluoric acid)	07664-39-3	HHU500	2	2	20	50	ppm	20.01	
32	Ammonia	07664-41-7	AMY500	25	25	200	1000	ppm	17.04	
655	Sulfuric acid (including oleum and sulfur trioxide)	07664-93-9	SOI500	1	2	10	30	mg/m3	98.08	
633	Sodium metabisulfite	07681-57-4	SII000	5	15	25	200	mg/m3	190.1	Added
487	Nitric acid	07697-37-2	NED500	2	2	15	30	ppm	63.02	
653	Sulfur	07704-34-9	SOD500	0.25	0.75	5	25	mg/m3	32.06	Added
315	Ferric chloride	07705-08-0	FAU000	1	3	5	200	mg/m3	162.2	Rounding change
318	Ferrous sulfate	07720-78-7	FBN100	1	3	5	350	mg/m3	151.91	Corrected T-3
571	Potassium permanganate (as Mn)	07722-64-7	PLP000	0.2	3	5	125	mg/m3	158.04	
366	Hydrogen peroxide	07722-84-1	HIB000	1	10	50	100	ppm	34.02	
551	Phosphorus (red)	07723-14-0	PHO500	1	1	1	4	mg/m3	30.97	Rounding change
552	Phosphorus (yellow)	07723-14-0	PHP010	0.1	0.3	3	5	mg/m3	123.88	
85	Bromine	07726-95-6	BMP000	0.1	0.2	1	5	ppm	159.8	

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				T-0	T-1	T-2	T-3			
64	Barium sulfate	07727-43-7	BAP000	10	30	50	250	mg/m3	233.4	
162	Chromic (VI) acid (as Cr)	07738-94-5	CMH250	0.05	0.05	0.1	15	mg/m3	118.02	Corrected T-1
570	Potassium nitrate	07757-79-1	PLL500	1	3.5	20	500	mg/m3	140.21	Added
642	Sodium sulfate (anhydrous)	07757-82-6	SJY000	10	30	50	500	mg/m3	142.04	
394	Lead chromate	07758-97-6	LCR000	0.05	0.15	0.25	15	mg/m3	323.19	Added
612	Silver nitrate	07761-88-8	SDS000	0.01	0.03	0.05	10	mg/m3	169.88	
644	Sodium thiosulfate	07772-98-7	SKI000	10	30	50	500	mg/m3	158.1	
39	Ammonium sulfamate	07773-06-0	ANU650	10	30	50	500	mg/m3	114.14	Corrected T-3
424	Mercuric iodide; (Mercury(II) iodide)	07774-29-0	MDD000	0.025	0.025	0.1	10	mg/m3	454.39	Added
625	Sodium chromate (as Cr); (Disodium chromate)	07775-11-3	DXC200	0.05	0.05	0.1	15	mg/m3	161.98	Corrected T-1
52	Arsenic acid; (o-arsenic acid)	07778-39-4	ARB250	0.01	0.03	0.05	5	mg/m3	141.95	Added
567	Potassium dichromate (as Cr)	07778-50-9	PKX250	0.05	0.05	0.1	15	mg/m3	294.2	Corrected T-1
118	Calcium hypochlorite; (Calcium oxychloride)	07778-54-3	HOV500	10	30	50	350	mg/m3	142.98	Rounding change
752	Zinc nitrate	07779-88-6	ZJJ000	10	30	50	250	mg/m3	189.39	
323	Fluorine	07782-41-4	FEZ000	0.1	2	7.5	10	ppm	38	
598	Selenium	07782-49-2	SBO500	0.2	0.6	1	1	mg/m3	78.96	
139	Chlorine	07782-50-5	CDV750	0.5	1	3	20	ppm	70.9	
319	Ferrous sulfate heptahydrate	07782-63-0	FBO000	1	3	5	500	mg/m3	278.05	
597	Selenious acid	07783-00-8	SBO000	0.2	0.6	1	20	mg/m3	128.98	Corrected T-2
367	Hydrogen sulfide	07783-06-4	HIC500	10	15	30	100	ppm	34.08	
36	Ammonium hyposulfite; (thio-)	07783-18-8	ANK000	12.5	35	250	500	mg/m3	148.22	Added
600	Selenium hexafluoride	07783-79-1	SES000	0.05	0.15	0.25	2	ppm	192.96	Added
661	Tellurium hexafluoride (as Te)	07783-80-4	TAK250	0.02	0.06	1	1	ppm	241.6	
728	Uranium hexafluoride; (Uranium fluoride)	07783-81-5	UOJ000	0.05	5	15	30	mg/m3	352	
610	Silver chloride	07783-90-6	zNF	0.01	0.03	0.05	10	mg/m3	143.4	
22	Aluminum fluoride (as Al)	07784-18-1	AHB000	2	6	10	40	mg/m3	83.98	Added
393	Lead arsenate (as Pb); (Lead acid arsenate)	07784-40-9	LCK000	0.05	0.15	0.25	100	mg/m3	347.12	Added
55	Arsine	07784-42-1	ARK250	0.05	0.15	1	3	ppm	77.95	
618	Sodium arsenite (as As)	07784-46-5	SEY500	0.002	0.002	0.002	5	mg/m3	129.91	Corrected all Ts
422	Manganous sulfate (as Mn)	07785-87-7	MAU250	0.2	3	5	500	mg/m3	151	

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				T-0	T-1	T-2	T-3			
486	Nickel sulfate	07786-81-4	NDK500	0.15	0.15	0.25	10	mg/m3	154.77	Added
61	Barium fluoride	07787-32-8	BAM000	0.5	1.5	2.5	100	mg/m3	175.34	Corrected T-2
565	Potassium chromate(VI) (as Cr)	07789-00-6	PLB250	0.05	0.1	0.1	15	mg/m3	194.2	
168	Chromium nitrate nonahydrate	07789-02-8	CMJ610	0.5	1.5	2.5	25	mg/m3	400.21	Added
336	Heavy water; (Deuterium oxide)	07789-20-0	HAK000	2000	6000	40000	200000	ppm	20.02	Corrected all Ts
568	Potassium fluoride	07789-23-3	PLF500	2.5	7.5	12.5	250	mg/m3	58.1	Added
409	Lithium nitrate	07790-69-4	zzz	10	30	50	250	mg/m3	69	Added
133	Cerium chloride	07790-86-5	CCY750	10	30	50	500	mg/m3	246.47	
140	Chlorine trifluoride	07790-91-2	CDX750	0.05	0.1	1	10	ppm	92.45	Corrected T-0
158	Chlorosulfonic acid; (Chlorosulfuric acid)	07790-94-5	CLG500	1.43	2	10	30	mg/m3	116.52	Corrected T-0
680	Thallium chloride	07791-12-0	TEJ250	0.1	0.3	2	15	mg/m3	239.82	
307	Ethylene glycol mono-sec-butyl ether	07795-91-7	EJJ000	3	10	60	350	mg/m3	118.2	Added
548	Phosphine	07803-51-2	PGY000	0.3	1	2.5	5	ppm	34	
40	Ammonium vanadate	07803-55-6	ANY250	10	30	50	60	mg/m3	116.99	Rounding change
403	Linseed oil	08001-26-1	LGK000	2.5	7.5	60	300	mg/m3		Added
696	Toxaphene; (Chlorinated camphene)	08001-35-2	CDV100	0.5	1	20	200	mg/m3	413.8	
179	Creosote (coal tar)	08001-58-9	CMY825	0.2	0.6	1	80	mg/m3		
131	Castor oil	08001-79-4	CCP250	0.01	0.03	0.2	1	mg/m3		Added
536	Petroleum distillates	08002-05-9	PCS250	500	500	500	500	mg/m3	97.87	Added
537	Petroleum solvent	08002-05-9	PCR250	10	30	50	500	mg/m3	978.68	Corrected T-3
521	Paraffin, n-	08002-74-2	PAH750	2	6	10	50	mg/m3		
330	Gasoline	08006-61-9	GBY000	300	500	500	1500	ppm	72	Added
172	Coal tar (aerosol)	08007-45-2	CMY805	0.2	0.6	1	5	mg/m3		Added
173	Coal tar (volatiles)	08007-45-2	CMY800	0.2	0.6	1	80	mg/m3		Added
387	Kerosene	08008-20-6	KEK000	100	125	400	400	mg/m3		Corrected T-2, T-3
470	Naphtha (coal tar)	08030-30-6	NAI500	100	1000	1000	1000	ppm	110	Added
538	Petroleum spirits; (VM & P Naphtha)	08032-32-4	PCT250	300	300	395	395	ppm	111.69	Added
462	Mineral oil	08042-47-5	MQV875	10	30	50	250	mg/m3		
463	Mineral spirits (85% nonane+15% trimethyl benzene=Stoddard solvent)	08052-41-3	SLU500	500	500	500	500	mg/m3		Rounding change

Table 2: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by CASRN)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes from Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
57	Asphalt	08052-42-4	ARO500	5	5	5	25	mg/m3		Added
535	Petroleum asphalt	08052-42-4	PCR500	5	5	5	25	mg/m3		Added
562	Polyvinyl chloride	09002-86-2	PKQ059	5	15	25	125	mg/m3		Rounding change
558	Polyethylene	09002-88-4	PJS750	10	30	50	250	mg/m3		Added
560	Polystyrene resin; (Styrene polymer)	09003-53-6	SMQ500	10	30	50	250	mg/m3		Added
448	Methylcellulose	09004-67-5	MIF760	10	30	50	500	mg/m3		
561	Polyurethane foam; (Urethane polymers)	09009-54-5	PKL500	7.5	25	200	500	mg/m3		Added
295	Ethoxylated p-nonylphenol; (Nonyl phenyl polyethylene glycol ether)	09016-45-9	NND500	5	15	100	500	mg/m3		Corrected T-0,-1,-2
559	Polyoxyalkyleneamine	09046-10-0	zNF	10	30	50	250	mg/m3		
62	Barium nitrate	10022-31-8	BAN250	0.5	1.5	2.5	50	mg/m3	261.36	
111	Cadmium nitrate tetrahydrate	10022-68-1	CAH250	0.005	0.03	0.05	125	mg/m3	308.5	Added
476	Neodymium (III) chloride	10024-93-8	NBY000	0.15	0.5	4	20	ppm	250.59	Rounding change
504	Nitrous oxide	10024-97-2	NGU000	50	150	10000	20000	ppm	44.02	
711	Trichlorosilane	10025-78-2	TJD500	0.35	1	3	15	mg/m3	135.45	Rounding change
46	Antimony trichloride	10025-91-9	AQC500	0.5	1.5	2.5	50	mg/m3	228.1	Added
516	Ozone	10028-15-6	ORW000	0.1	0.1	1	5	ppm	48	T-1 <= PEL-C
317	Ferric sulfate	10028-22-5	FBA000	1	3	5	25	mg/m3	399.88	
287	Erbium nitrate pentahydrate	10031-51-3	zNF	10	30	50	250	mg/m3		Added
649	Strontium nitrate	10042-76-9	SMK000	10	30	50	500	mg/m3	211.64	
26	Aluminum sulfate (Soluble salt, as Al)	10043-01-3	AHG750	2	6	10	500	mg/m3	342.14	
82	Boric acid	10043-35-3	BMC000	10	30	100	125	mg/m3	61.84	Rounding change
425	Mercuric nitrate monohydrate	10045-94-0	MDF000	0.025	0.025	0.1	10	mg/m3	324.61	Added
426	Mercuric nitrate; (Mercury(II) nitrate (1:2))	10045-94-0	MDF000	0.025	0.075	0.1	10	mg/m3	324.61	
477	Neodymium nitrate	10045-95-1	NCB000	7.5	25	150	500	mg/m3	330.27	Added
389	Lanthanum nitrate	10099-59-9	LBA000	1	3	20	500	mg/m3	324.94	Added
396	Lead nitrate	10099-74-8	LDO000	0.05	0.15	0.25	100	mg/m3	331.21	Corrected T-1, T-2
645	Sodium thiosulfate pentahydrate	10102-17-7	SKI500	10	30	50	500	mg/m3	248.2	
488	Nitric oxide	10102-43-9	NEG100	25	25	25	100	ppm	30.01	
492	Nitrogen dioxide	10102-44-0	NGR500	2	2	15	30	ppm	46.01	

Table 2: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by CASRN)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes from Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
681	Thallium nitrate	10102-45-1	TEK750	0.1	0.3	0.5	15	mg/m3	266.38	Added
114	Calcium (II) nitrate	10124-37-5	CAU000	1.25	3.5	25	125	mg/m3	164.1	Added
314	Europium nitrate	10138-01-9	ERC550	15	50	350	500	mg/m3	421.98	Added
288	Erbium(III) nitrate	10168-80-6	ECY500	0.4	1.25	10	50	mg/m3	353.29	Added
33	Ammonium bisulfite	10192-30-0	ANB600	10	30	50	250	mg/m3	99.12	Added
584	Propylene glycol mono-n-butyl ether; (3-butoxy-1-propanol)	10215-33-5	BPS500	10	10	10	10	ppm	132.23	Corrected T-1, -2, -3
134	Cerium nitrate hexahydrate	10294-41-4	CDB250	15	50	350	500	mg/m3	434.27	Added
110	Cadmium nitrate	10325-94-7	CAH000	0.005	0.03	0.05	500	mg/m3	236.42	
634	Sodium metaphosphate	10361-03-2	SII500	10	30	200	500	mg/m3	101.96	Corrected T-2
60	Barium chloride	10361-37-2	BAK000	0.5	1.5	2.5	50	mg/m3	208.24	
573	Praseodymium nitrate	10361-80-5	PLY250	7.5	20	150	500	mg/m3	326.94	Added
595	Samarium nitrate	10361-83-8	SAT200	7.5	25	150	500	mg/m3	336.38	Added
420	Manganese (II) nitrate	10377-66-9	MAS900	0.2	3	5	500	mg/m3	178.96	Added
316	Ferric nitrate (iron salts, soluble, as Fe)	10421-48-4	FAY200	1	3	5	25	mg/m3	241.88	
628	Sodium dichromate	10588-01-9	SGI000	0.05	0.05	0.1	15	mg/m3	261.98	Corrected T-1
722	Triphenol sulfonium chloride	109037-76-5	zNF	10	30	50	250	mg/m3		Added
150	Chlorodiphenyl (54% Cl); (Arochlor 1254)	11097-69-1	PIN000	0.5	1.5	2.5	5	mg/m3		
647	Sodium-Potassium	11135-81-2	PLS500	2	2	40	100	mg/m3		
601	Silica, amorphous fumed	112945-52-5 69012-64-2	SCH000	2	6	10	500	mg/m3	60.09	Added
460	Mica	12001-26-2	MQS250	3	9	15	75	mg/m3		Added
56	Asbestos (Chrysotile)	12001-29-5	ARM268	0.005	0.05	0.05	500	mg/m3		
482	Nickel hydroxide	12054-48-7	NDE000	0.3	0.3	0.5	10	mg/m3	92.73	Added
84	Boron carbide	12069-32-8	NF	10	30	50	250	mg/m3	55.3	
480	Nickel (III) hydroxide	12125-56-3	NDE010	0.3	0.3	0.5	10	mg/m3	109.74	Added
485	Nickel oxy hydroxide (use Nickelic hydroxide)	12125-56-3	NDE010	0.1	0.3	0.5	10	mg/m3	109.74	Added
635	Sodium monoxide	12401-86-4	SIN500	10	30	50	250	mg/m3	61.98	
483	Nickel nitrate	13138-45-9	NDG000	0.1	0.3	0.5	10	mg/m3	182.73	

Chemicals whose names are bolded had official ERPGs as of 9/30/97

Table 2: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by CASRN)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes from Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
79	Bis(0-methylstyryl)benzene, p-	13280-61-0	zzzNF	10	30	50	250	mg/m3	310.43	
77	Beryllium hydroxide (as Be)	13327-32-7	BFS250	0.002	0.005	0.005	4	mg/m3	43.03	T-1 < PEL-C
481	Nickel carbonyl (as Ni)	13463-39-3	NCZ000	0.001	0.05	0.05	2	ppm	170.75	
690	Titanium oxide	13463-67-7	TGG760	10	30	50	250	mg/m3	79.9	
24	Aluminum nitrate	13473-90-0	AHD750	2	6	10	500	mg/m3	213.01	Added
289	Erbium(III) nitrate hexahydrate	13476-05-6	ECZ000	1	3	20	100	mg/m3	461.41	Added
479	Nickel (II) nitratehexahydrate	13478-00-7	NDG500	0.05	0.15	0.25	10	mg/m3	290.85	Added
660	Tellurium	13494-80-9	TAJ000	0.1	0.3	20	25	mg/m3	127.6	
335	Hansa yellow	13515-40-7	zNF	10	30	50	250	mg/m3		Added
626	Sodium chromate 10 H ₂ O	13517-17-4	SFW500	0.05	0.05	0.1	15	mg/m3	342.18	Corrected T-1
167	Chromium (III) nitrate	13548-38-4	CMJ600	0.5	1.5	2.5	25	mg/m3	238.03	
78	Beryllium nitrate (as Be)	13597-99-4	BFT000	0.002	0.005	0.005	4	mg/m3	133.03	T-1 < PEL-C
729	Uranium hydride (as U)	13598-56-6	UPA000	0.05	0.6	0.6	10	mg/m3	241.06	
116	Calcium chromate	13765-19-0	CAP500	0.001	0.003	0.6	3.5	mg/m3	156.08	Rounding change
406	Lithium chromate (as soluble Cr(VI))	14307-35-8?	LHD000	0.05	0.05	0.1	0.5	mg/m3	131.9	
181	Cristobalite	14464-46-1	SCJ000	0.15	0.15	0.25	25	mg/m3	60.09	Added
658	Talc	14807-96-6	TAB750	2	6	10	500	mg/m3	96.33	Added
603	Silica, crystalline quartz; (Silicon dioxide)	14808-60-7	SCJ500	0.1	0.3	0.5	25	mg/m3	60.09	
427	Mercurous oxide	15829-53-5	MDF750	0.025	0.025	0.1	10	mg/m3	417.22	Added
130	Carboxylic acid sodium salt	16550-39-3	MBV775	0.001	0.003	0.02	0.1	mg/m3	266.34	Added
240	Dihydrogen hexachloroplatinum (IV); (Chloroplatanic acid)	16941-12-1	CKO750	0.002	0.006	0.01	4	mg/m3	409.81	
605	Silicofluoric acid; (Fluorosilicic acid)	16961-83-4	SCO500	2.5	7.5	12.5	125	mg/m3	144.11	Rounding change
184	Cupric nitrate hemipentahydrate (as Cu): (Data including MW ex MSDS)	19004-19-4	zNF	1	3	5	100	mg/m3	241.6	
198	Diborane	19287-45-7	DDI450	0.1	0.3	1	3	ppm	27.68	
613	Silver oxide	20667-12-3	SDU500	10	30	50	75	mg/m3	231.74	Rounding change
512	Osmium tetroxide	20816-12-0	OKK000	0.0006	0.0006	0.00125	0.1	ppm	254.2	Added
109	Cadmium hydroxide	21041-95-2	CAG525	0.005	0.03	0.05	0.25	mg/m3	74.1	Added
23	Aluminum hydroxide	21645-51-2	AHC000	6	400	400	400	mg/m3	78.01	Added

Chemicals whose names are bolded had official ERPGs as of 9/30/97

Table 2: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by CASRN)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes from Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
430	Mercury (II) oxide; (Mercuric oxide)	21908-53-2	MCT500	0.025	0.075	0.1	10	mg/m3	216.59	
555	Polyamide; (Capron)	25038-54-4	PJY500	10	30	200	500	mg/m3		Added
739	Vinyl acrylic resin	25067-01-0	zNF	10	30	50	250	mg/m3		Added
282	Epoxy Resin (EPON 1001)	25068-38-6	EBG000	10	30	50	500	mg/m3		
283	Epoxy Resin (EPON 1007)	25068-38-6	EBG500	10	30	50	500	mg/m3		
284	Epoxy Resin (EPON 820)	25068-38-6	EBF500	10	30	50	500	mg/m3		
285	Epoxy Resin ERL-2795	25068-38-6	ECL000	10	30	50	500	mg/m3		Rounding change
507	Nonyl Phenol (mixed isomers)	25154-52-3	NNC500	6	20	125	500	mg/m3	220.39	Rounding change
265	Dinitrotoluene	25321-14-6	DVG600	0.45	0.45	0.75	50	mg/m3	182.15	
668	Tetrachloroethane (mixed isomers)	25322-20-7	TBP750	5	15	100	400	ppm	167.84	Added
714	Triethylbenzene, 1,2,4-; (Triethylbenzene)	25340-18-5	TJO750	6	15	125	600	ppm	162.3	Added
715	Triethylbenzene, 1,3,5-; (Triethylbenzene)	25340-18-5	TJO750	6	15	125	600	ppm	162.3	Added
281	Epoxy Resin; (Epichlorhydrin + diethylene glycol)	25928-94-3	BCK500	0.06	0.2	1.25	6	Mg/m3		Added
410	Lithium nitride	26134-62-3	LHM000	10	30	50	250	mg/m3	34.82	Added
619	Sodium azide	26628-22-8	SFA000	0.0125	0.04	0.29	12.5	mg/m3	65.02	Rounding change
475	Neodecanoic acid	26896-20-8	NBW500	12.5	40	300	500	mg/m3	172.3	Added
352	Hexamethylene diisocyanate polymer	28182-81-2	HEG300	7.5	25	200	500	mg/m3		Added
446	Methyl-1H-benzotriazole	29385-43-1	MHK000	10	30	50	300	mg/m3	133.17	
381	Isocyanatoethyl methacrylate, 2-	30674-80-7	IKG700	0.005	0.015	0.1	1	ppm	155.17	Rounding change
332	Glycerol monostearate; (Octadecanoic acid with 1,2,3-propanetriol)	31566-31-1	OAV000	10	30	50	250	mg/m3	358.63	Rounding change
87	Bromo-3-chloro-5,5-dimethylhydantoin, 1-	32718-18-6	zNF	10	30	50	250	mg/m3		
734	Uranyl nitrate (as U); (yellow salt)	36478-76-9	URA100	0.05	0.6	0.6	10	mg/m3	394.02	
685	Thiofanox (Dacamox)	39196-18-4	DAB400	8.5	8.5	8.5	30	mg/m3	218.35	
527	Pentachlorobenzo-p-dioxin, 1,2,3,7,8-	40321-76-4	PAW000	0.00075	0.0025	0.015	0.075	mg/m3	356.4	Added
469	Nabumetone; (Relafen), or (4-[6-methoxy-2-naphthyl]-2-butanone)	42924-53-8	MFA300	10	30	50	500	mg/m3	228.31	
666	Tetrachlorodibenzofuran, 2,3,7,8-	51297-31-9	TBO850	0.0006	0.002	0.002	0.002	mg/m3	305.96	Added
149	Chlorodiphenyl (42% Cl); (Arochlor 1242)	53469-21-9	PJM500	1	3	5	5	mg/m3		
526	Pentachlorobenzofuran, 2,3,4,7,8-	57117-31-4	PAW100	0.000025	0.000075	0.0006	0.4	mg/m3	340.4	Added

Chemicals whose names are bolded had official ERPGs as of 9/30/97

Table 2: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by CASRN)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes from Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
344	Hexachlorodibenzofuran, 1,2,3,6,7,8-	57117-44-9	HCH425	0.00075	0.0025	0.015	0.075	mg/m3	378.84	Added
346	Hexachlorodibenzo-p-dioxin, 1,2,3,4,7,8-	57653-85-7	HCF000	0.005	0.015	0.1	0.5	mg/m3	390.84	Added
355	Hexamethylenetetraamine hydrochloride	58713-21-6	zNF	10	30	50	250	mg/m3		Corrected T-3
468	Monosodium titanate; (MSDS #18858-00 CASRN 12034-36-5)	60704-88-3	zNF	10	30	50	250	mg/m3		
345	Hexachlorodibenzofuran, 2,3,4,6,7,8-	60851-34-5	HCH450	0.0005	0.0015	0.01	0.05	mg/m3	374.84	Added
656	Sulphonic acid	61789-85-3	zNF	10	30	50	250	mg/m3		
423	Mastic (Resin)	61789-92-2	MBU777	20	60	500	500	mg/m3		Added
248	Dimethyl siloxane; (Syltherm)	63148-62-9	DUB600 SCR400	10	30	50	250	mg/m3		
18	Alkylamines (includes nitrogen mustard, triethylmelamine, etc.)	63231-48-1	zNF	10	30	50	250	mg/m3		
49	Aromatic hydrocarbons, solvents; (Solvent naphtha [petroleum], light)	64742-95-6	SKS350	500	1500	10000	60000	ppm	100	Added
358	Hi rash naphtha petroleum distillate	64742-95-6	SKS350	500	1500	10000	60000	ppm	110	Added
174	Coal tar pitch volatiles	65996-93-2	CMZ100	0.2	0.6	1	80	mg/m3		Added
17	Alkyd resins and Rosin	66070-62-0		10	30	50	250	mg/m3		Added
659	Tallow oil (alkyd resin)	68333-62-0	zNF	10	30	50	250	mg/m3		Added
231	Diesel fuels	68334-30-5	DHE900	35	100	500	500	mg/m3		Added
138	Chlorinated polyolefins	68410-99-1	zNF	10	30	50	250	mg/m3		
230	Diesel fuel marine; (Fuel oil No.2)	68476-30-2	DHE800	12.5	40	300	500	mg/m3		Added
326	Fuel oil	68476-33-5	FOP050	35	100	500	500	mg/m3		Corrected T-0,-1,-2
15	Alcohols, C6-C12	68603-15-6	AFJ250	10	30	50	250	mg/m3		
737	Vegetable oil	68956-68-3	VGU200	10	30	50	250	mg/m3		Added
294	Ethoxylated alcohols, C7-C21	68991-48-0	zNF	10	30	50	250	mg/m3		
343	Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648-26-9	HCH400	0.0025	0.0075	0.06	0.3	mg/m3	374.84	Added
629	Sodium fluoride (as F)	7681-49-4	SHF500	2.5	7.5	12.5	75	mg/m3	41.99	Added
414	Magnesium fluoride (as F)	7783-40-6	MAF500	2.5	7.5	12.5	250	mg/m3	62.31	Added
506	Nonyl Phenol (branched)	84852-15-3	NNC600	5	15	100	500	mg/m3	220.39	
534	Perlite (fused NaKAl silicate, < 1% quartz)	93763-70-3	PCJ400	15	30	50	500	mg/m3		
48	Antioxidant	zNA	zNF	10	30	50	250	mg/m3		Corrected T-3

Chemicals whose names are bolded had official ERPGs as of 9/30/97

Table 2: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by CASRN)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes from Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
320	Fiber glass	zNA	FBQ000	5	15	25	125	mg/m3		Added
361	Hydrocarbon polymer	zNA	HHJ500	10	30	50	250	mg/m3		Added
380	Isocyanate-bearing waste	zNA	zNA	5	5	5	25	mg/m3		
411	Machine coolant 1	zNA	zNF	10	30	50	250	mg/m3		Corrected T-3
604	Silicates	zNA	SCM500	10	30	50	250	mg/m3		Added
657	Synthetic resins	zNA	zNF	10	30	50	250	mg/m3		Corrected T-3
732	Uranium: insoluble compnd	zNA	zNF	0.05	0.6	0.6	10	mg/m3		
733	Uranium: soluble compnds	zNA	zNF	0.05	0.6	0.6	10	mg/m3		
744	Waste Oil	zNA	zNA	10	30	50	250	mg/m3		
1	Acenaphthylene	zNF	AAE750	10	30	50	250	mg/m3	154.2	Added
13	Acrylic latex (MSDS 1807)	zNF		10	30	50	250	mg/m3		Added
16	Alkenyl dimethylethyl ammonium bromide; (Aliphatic hydrocarbon)	zNF	AFN750	2	6	40	200	mg/m3		Added
34	Ammonium ethylenedinitro tetraacetoferrate(III)	zNF	zNF	10	30	50	250	mg/m3		Added
37	Ammonium lignin sulfonate	zNF	zNF	10	30	50	250	mg/m3	1000	Added
90	Bromochlorobenzene	zNF	zNF	10	30	50	250	mg/m3		Added
229	Diesel fuel marine; (Diesel fuel No. 4)	zNF	DHE750	500	500	500	500	mg/m3		Added
279	Epibatadine (nicotine-like)	zNF	zNF	0.004	0.0125	0.075	0.075	mg/m3		Rounding change
360	Hydrazine nitrate	zNF	zNF	0.1	0.3	1	10	mg/m3	94	Added
362	Hydrocount(R), LSC Cocktail	zNF	zNF	10	30	50	250	mg/m3		Corrected all Ts
368	Iconol(R)	zNF	zNF	10	30	50	250	mg/m3		
372	Iron hydroxide (as Fe)	zNF	IGR499	10	30	50	250	mg/m3		Added
384	Isopropylbenzene, p-	zNF	zNF	10	30	50	250	mg/m3	120.21	Added
385	Jet fuels (JP-5 and JP-8) (as Kerosene)	zNF	JDJ000	100	125	400	400	mg/m3		Corrected T-2, T-3
400	Lignosulfonate (aqueous)	zNF	zzz	10	30	50	250	mg/m3		Added
461	Mineral fibers,fine	zNF	NF	10	30	50	250	mg/m3		Added
509	Norchlorofluoroepibatidine	zNF	zNF	0.000075	0.00025	0.0015	0.0025	mg/m3		Rounding change
515	Oxybis(2-chloro-ethane), 1-1'-	zNF	zzz	10	30	50	250	mg/m3		Added
518	Paint solvent	zNF	zzz	10	30	50	250	mg/m3		Added
519	Paint thinner; (Petroleum 50 thinner)	zNF	PCT500	7.5	25	150	750	ppm	130	Added

Chemicals whose names are bolded had official ERPGs as of 9/30/97

Table 2: ERPGs and Recommended TEELs for Chemicals of Concern (sorted by CASRN)

No.	Chemical Compound	CAS Number	SAX Number	Recommended TEELs (Rounded)				Units of original limits	Molec. Weight MW	Changes from Rev. 12 (7/9/97)
				T-0	T-1	T-2	T-3			
557	Polyester	zNF	MDN510	10	30	50	500	mg/m3	286.36	Added
641	Sodium p-tertiary amylnphenate	zNF	zNF	10	30	50	250	mg/m3		Added
663	Tetrabutyl ammonium phosphate	zNF	zNF	10	30	50	250	mg/m3		Added
730	Uranium telluride (as U)	zNF	zNF	0.05	0.6	0.6	10	mg/m3	1224.1	
731	Uranium telluride-2 (as U)	zNF	zNF	0.05	0.6	0.6	10	mg/m3	366.03	